



TECHNICAL COMMITTEE AGENDA

Wednesday, 1 May 2019, 9:30 a.m.

Council Chamber, Level 2 Philip Laing House
144 Rattray Street, Dunedin

Membership

Cr Andrew Noone

(Chairperson)

Cr Ella Lawton

(Deputy Chairperson)

Cr Graeme Bell

Cr Doug Brown

Cr Michael Deaker

Cr Carmen Hope

Cr Trevor Kempton

Cr Michael Laws

Cr Sam Neill

Cr Gretchen Robertson

Cr Bryan Scott

Cr Stephen Woodhead

Disclaimer

Please note that there is an embargo on agenda items until 48 hours prior to the meeting. Reports and recommendations contained in this agenda are not to be considered as Council policy until adopted.

For our future

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1. APOLOGIES

2. LEAVE OF ABSENCE

Leaves of absence noted for Cr Kempton, Cr Noone and Cr Woodhead.

3. ATTENDANCE

4. CONFIRMATION OF AGENDA

Note: Any additions must be approved by resolution with an explanation as to why they cannot be delayed until a future meeting.

5. CONFLICT OF INTEREST

Members are reminded of the need to stand aside from decision-making when a conflict arises between their role as an elected representative and any private or other external interest they might have.

6. PUBLIC FORUM

No requests to address the Committee have been received.

7. PRESENTATIONS

No presentations are scheduled.

8. CONFIRMATION OF MINUTES

Recommendation

That the minutes of the meeting held on 21 March 2019 be received and confirmed as a true and accurate record.

Attachments

1. Technical Committee Meeting Minutes 20190321 [8.1.1]

9. ACTIONS

Status report on the resolutions of the Technical Committee

Report	Meeting Date	Resolution	Status
An assessment of the Clean Heat Clean Air program's effectiveness	13/6/18	<i>That this report be used to inform the review of ongoing financial incentives for Air Quality, proposed for 2018/19 in the 2018-2028 Draft LTP</i>	COMPLETE. Report to 21/03/19 Technical Comm
Lake Hayes Restoration	1/8/18	<i>That the consultant report by Castalia be re-framed into a more public intelligible document.</i>	IN PROGRESS (Castalia have been briefed)

Lake Hayes Restoration	18/10/18	<i>Dr Palmer to follow up on receipt of the revised Castalia report</i>	OPEN
Lake Snow technical workshop recommendations	18/10/18	<i>The CE engage on the with CEs at the regional CEOs meeting on 8 November 2018 on the primary objectives from the workshop.</i> <i>Invite Regional Councils and MPI to formally endorse and support the proposed research programme and to discuss funding arrangements.</i>	IN PROCESS

10. MATTERS FOR NOTING

10.1. General Manager Operations Report to Technical Committee

Prepared for: Technical Committee
Report No. EHS1852
Activity: Flood Protection & Control Works
Author: Jean-Luc Payan, Manger Natural Hazards
Gavin Palmer, General Manager Operations
Endorsed by: Gavin Palmer, General Manager Operations
Date: 1 May 2019

PURPOSE

- [1] To update Committee on the following topics:
- Key meetings attended – General Manager Operations
 - West Coast Flooding Support
 - Leith Flood Protection Scheme

RECOMMENDATION

That the Council:

- 1) **Receives** this report.

KEY MEETINGS ATTENDED – GENERAL MANAGER OPERATIONS

- [2] 8 March 2019 – Meeting with Richard Saunders, Group Manager Transport, Dunedin City Council
- [3] 13 March 2019 – Environmental Extension Group meeting, Dunedin
- [4] 14 March 2019 – Public Meeting: Tackling our Climate Emergency Head-On, Otago University
- [5] 25 March 2019 - Meeting with Gretchen Kivell, U3A Dunedin
- [6] 26 March 2019 - Meeting with Jonathan Streat, Director of Operations, Environment Southland
- [7] 1 April 2019 – Meeting with Richard Saunders, Group Manager Transport, Dunedin City Council
- [8] 8 April 2019 – Meeting with Dougal List, Programme Director for Connecting Dunedin and Project Manager for the Dunedin Liveability Transport Project
- [9] 11 April 2019 - Regional Chief Executive Officers' (RCEO) Meeting

- [10] 12 April 2019 - Chief Executives Environment and Economy Forum (CEEEF)
- [11] 15 April 2019 - Meeting with Saskia Righarts, Chief Advisor to the Chief Executive, Central Otago District Council regarding the National Wilding Conifer Control Programme
- [12] 17 April 2019 - Multi Hazard - Peer Review Panel Meeting at the Christchurch City Council
- [13] 18 April 2019 - Meeting with Simon Drew, General Manager Infrastructure Services, regarding South Dunedin Futures project

WEST COAST FLOODING SUPPORT

- [14] Between 25 and 27 March 2019, the West Coast experienced a widespread significant heavy rainfall event. The region experienced severe flooding, damage to critical infrastructure (including damage to the bridge over the Waiho River near Franz Joseph) and loss of life.
- [15] During the event and as part of the inter council agreement for assistance during major emergencies, the West Coast Regional Council (WCRC) requested assistance from other regional councils to support their response, in particular in the fields of river engineering, spatial analysis and mapping. This was in addition to the support provided by Emergency Management Otago.
- [16] Otago Regional Council on behalf of the River Manager's Forum (RMF) coordinated the different offers of support from the regional councils and unitary authorities. RMF is a sector special interest group (SIG).
- [17] From the ORC, Dr Jean-Luc Payan (Manager Natural Hazards) and Andrew Welsh (Spatial Analyst, Hazards) provided support during the first week of April (5 days) and were based in WCRC offices in Greymouth. Dr Ben Mackey (Natural Hazards Analyst) was on standby for the following week. The support provided was mainly focussed on post-flood hazard assessments of rivers and floodplains and data capture for future investigations and mapping for the Hokitika River and Arahura River catchments.
- [18] WCRC appreciated the support provided by the sector through RMF. ORC staff benefited from the time spent with WCRC to strengthen professional relationships between councils and to gain experience in responding to flood events in an alpine environment subject to extremely heavy rainfall. Of interest was the extensive use of drones for damage and hazard assessments and the use of real-time mapping for the coordination of the response and situation reporting. ORC staff will consider incorporating these processes into ORC's flood response procedures.



Figure 1. Drone photo showing damages to the Arahura Valley Road (centre) and debris deposition caused by overtopping of the Arahura River banks. See next figure for close-up (yellow rectangle) – March 2019 (source: West Coast Regional Council).



Figure 2. Close-up from drone photo showing damages to the Arahura Valley Road (centre) and debris deposition caused by overtopping of the Arahura River banks – March 2019 (source: West Coast Regional Council)

LEITH FLOOD PROTECTION SCHEME

[19] As previously advised to committee, works on the Union to Leith footbridge stage were completed on 12 March 2019. Flood-related maintenance repairs immediately downstream of the footbridge (Figure 3) have also been completed along with demobilisation of the Union to Leith footbridge site.

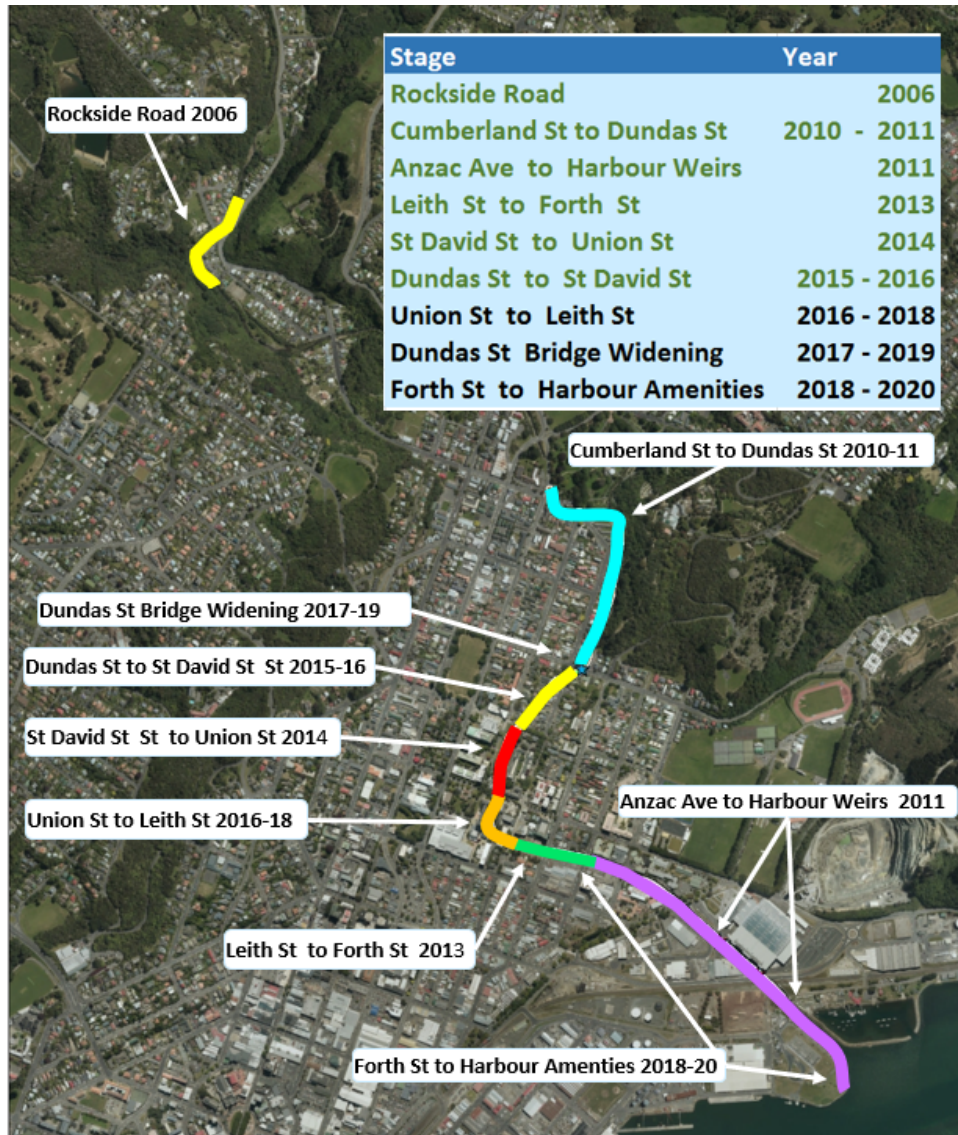


Figure 3: Staging of construction of the Leith Flood Protection Scheme.

[20] Works are continuing on the Dundas Street bridge stage (Figures 4 and 5). Staff, the Contractor (Downer NZ Ltd) and the Engineer to Contract have workshopped project risks and developed a project risk register. The top three risks identified are:

- Flood damage and uncontrolled river channel diversion during the critical phase of the bridge widening (culvert) excavation;
- Disruption to public water supply caused by accidental damage to the existing water main that crosses the bridge and culvert excavation;
- Health and safety and vandalism associated with persons accessing the very hazardous site after hours without permission.

[21] Each of these risks has specific mitigation measures in place and are subject to ongoing monitoring and review.



Figure 4: Dundas Street Bridge. Excavation of western (true right) abutment underway at left of photo (26 April 2019)



Figure 5: Excavation of ground behind eastern (true left) abutment of Dundas Street Bridge (26 April 2019)

ATTACHMENTS

Nil

11. NOTICES OF MOTION

No notices of motion have been submitted.

12. CLOSURE