

OIR: 2425/1382

23 June 2025

Isabelle Maloret

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Tēnā koe Isabelle,

Request for Information under the Local Government Official Information and Meetings Act 1987 (the Act) (the LGOIMA)

Thank you for your email of **3 June 2025** requesting the following information:

1. All costs associated to AWA preparing the various new flood reports for Paekakariki, Raumati, Paraparaumu and Waikanae.

The cost associated with Awa for rebuilding the flood hazard models and preparing the various flood reports for **Paekakariki, Raumati, Paraparaumu, Waikanae and Otaki** was \$1,880,451.00. These costs were incurred between June 2020 to June 2024.

This included:

- detailed scoping [building on initial scope provided in tender documents]
- identification of data gaps [and collection as appropriate]
- building several pilot catchment models to confirm matters regarding the model approach, including comparison with historic MIKE models, sub grid sampling methodology, incorporation of groundwater, confirmation of rain on grid approach,
- model build for 7 urban catchments, including:
 - Hydrological modelling and climate change
 - Method development
 - Model build
 - Calibration and validation
 - Reporting
- undertaking permeability testing across the District
- adding information obtained from NZTA re PP2O and M2PP expressways
- incorporating the lower section of the Waikanae River and Ōtaki River

Please note that any information provided in response to your request may be published on the Council website, with your personal details removed.

- undertaking joint probability analysis to inform various hydrological components that impact flood hazard
- liaison with NIWA and Greater Wellington Regional Council to align boundary conditions and other parameters

2. All other costs associated in the updating of the flood maps, including community consultation

- Building Muaupoko and Te Kowhai catchment models = \$214,928
- Freeboard delineation and discussion = \$49,760
- Peer review = \$65,545.00
- Storyboard and flood model outputs for flood portal = \$110,000
- Community engagement [drop-in and advertising] = \$7,024.00
- Mailout to newly affected properties = \$13,534.00

3. In a response to an OIR request made in December 2024 (OIR: 2425/1214) it was stated that "In addition, the underlying flood hazard model will be made accessible to qualified industry professionals, along with guidance and training on how to use it for scenario testing and informed development planning." Can you please advise which industry professionals would be included, and who/how this guidance and training would be delivered?

One of the key drivers for Council was to produce models which could be used by others. This needs to be done in a way that is managed so Council has confidence in the results that come back to us.

The industry professionals referred to in the above statement, includes consultants working for developers, and others involved in the design of stormwater infrastructure.

Council is proposing a 3-tier approach [including specific licencing and training requirements]

- Tier 1: Council access and use,
- Tier 2: Developer Access [for those that want access to scenario test proposed designs]
- Tier 3: Review Panel – which sets up a panel of approved modellers which can audit and manage models

There is an expectation that tier 2 would be competent modellers and specific training would be provided by Awa regarding standardised approach and reporting requirements. The models are released for single use and checked back in at its completion to ensure the latest version of the models are being used. It is envisaged that this will be progressed once the models have been updated to reflect community feedback [as appropriate], latest LiDAR [2025] and any updates to infrastructure that may have happened since the project began.

In is envisaged the Review Panel [tier 3] would involve an expression of interest / tender process. This would provide greater choice for audit or scenario testing for those that don't have the capacity to undertake their own modelling.

In the meantime:

- The re-built models are available for third party scenario testing upon approval and subject to a disclaimer and licencing agreement, through AWA and model management.
- The output of rebuilt models is available for guidance, subject to a disclaimer.

Ngā mihi,



Sean Mallon

Group Manager Infrastructure and Asset Management
Kaiwhakahaere Rōpū Anga me te Whakahaere Rawa