

## SUBMISSION TO WELLINGTON CITY COUNCIL PROPOSED 10-YEAR PLAN

Engineering New Zealand is New Zealand’s professional body for engineers, with more than 20,000 members - and New Zealand’s strongest and most influential voice on engineering issues. You might previously have known us as IPENZ (“Institution of Professional Engineers New Zealand” remains our legal name).

We are submitting on the 10-Year Plan to endorse the priority given to resilience and to encourage more thinking about adaptation. We are part of this city – our national office is in Wellington – and know how important it is to reduce Wellington’s vulnerability.

Page 10 - We would like to see the resilience priority more clearly represented in the vision for the city.

Page 14 - We agree that increasing water storage and improving reservoirs is vital to ensure security of supply. Drought and other events make the city vulnerable if there is insufficient additional storage capacity. We consider that wastewater systems need to be in place prior to population growth if we are to protect the natural environment. Planned infrastructure investment to enable growth can minimise cost and disruption.

Page 16 - We welcome the proposal for accelerometers. However, we note that what is also required is the engineering expertise to interpret the data and to respond in the event of an earthquake. We want to offer our support in this area, in partnership with our technical societies, including the Structural Engineering Society of New Zealand (SESOC) and the New Zealand Society for Earthquake Engineering (NZSEE). We support additional funding to secure unreinforced masonry in heritage buildings.

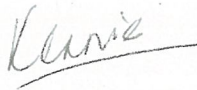
Page 30 - We agree that resilience of the transport corridor requires investment in strengthening retaining walls, tunnels and bridges. We consider that there is a need for a clear, big picture strategy for transport connecting the Let’s Get Wellington Moving programme, urban design and land use to a long term vision for the City. The Wellington Urban Growth Plan review needs to fill that gap.

Page 48 - We note that the Infrastructure Strategy appears to be for the minimum required period of 30 years. This runs the risk that it may not take sufficient account of the potential impact of more severe storm events, more intense rainfall and sea-level rise linked to climate change.

We would like to see integration of the 2017 Resilience Strategy into the 10-Year Plan and a 50 year Infrastructure Strategy. Two key areas that merit more consideration are a future Adaptation Plan, and, water sensitive design as part of an integrated approach to stormwater.

We would like to take the opportunity to speak to this submission.

Ngā mihi,



**Kennie Tsui**

Wellington Branch Chair



**Tania Williams**

Acting Chief Executive