

IMPROVING SUSTAINABILITY OUTCOMES THROUGH MEASUREMENT, REPORTING AND PUBLIC ENGAGEMENT IN WATERFRONT AUCKLAND'S SMART PRECINCT

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Conference theme: Sustainability

Sub-themes:

- Measuring sustainability.
- Indicators, metrics, benchmarks and tools to support sustainable decision making by policy makers, designers and owners.
- Demonstrating the cost benefits of sustainable design and behaviour.

Paper aims & objectives:

- To justify the importance of measurement, reporting and public engagement in achieving sustainability outcomes.
- To demonstrate an organisational and technical approach to doing so, using Waterfront Auckland's Smart Precinct as a real-world case study.

Waterfront Auckland is committed to achieving and showcasing sustainable development through the redevelopment of the waterfront. A goal of the Waterfront Plan is that the waterfront is the location of leading sustainable urban transformation and renewal in Auckland. Waterfront Auckland envisages that the transformation of the waterfront will demonstrate the benefits of sustainable development in environmental, social, cultural and economic terms. Pushing the boundaries of sustainable design and development will stimulate innovation and ensure the Auckland waterfront will be a vibrant, attractive and interesting place to live, work and visit.

Underpinning the design and development of the waterfront is a Smart Precinct approach to the measurement of sustainability outcomes. Waterfront Auckland has developed a framework of sustainable development targets covering climate change, resource efficiency, environmental quality, connectedness, community, and economic vitality. In collaboration with development partners and industry, Waterfront Auckland is implementing a precinct-wide monitoring and metering network to assess performance against those targets. The outcome for organisations involved in the management of the precinct is a more informed, data-driven approach to management of the space, ultimately leading to improved sustainability outcomes.

Fundamental to the Smart Precinct approach is the understanding that the precinct's performance against sustainability targets is driven not just by the design and construction of the space, but also the actions of people who interact with it. As a result the data collected for the reporting framework will be made available via multiple public platforms, leading to a deeper understanding amongst people who live and work in the area of how their actions influence the performance of buildings and public spaces, and how those then influence the performance of the wider precinct.

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