

# WRTM

## Waikato Regional Transport Model

# PROGRAMME

### VISION

Sustainable and efficient transport for the Waikato region.



### GOAL

To enable integrated planning of land use and transport, for proposals to be analysed, and possible changes in policies to be evaluated.



The WRTM is a comprehensive transport modeling tool used to analyse and forecast traffic patterns and transportation needs within the Waikato region.













**It's the largest model in New Zealand, covering over 35,000 square kilometers.**

The model assists in planning and decision-making for regional transportation infrastructure and policy.

**The Waikato Regional Transport Model Programme** is a multi-modal integrated transport initiative currently consisting of two models, with the possibility of additional models in the future.

- 1. WRTM Strategic Model:** This regional transport model, in use since 2007, evaluates central and local government policies, land use plans, and transport proposals. It's the single most-recognised transport model for the Waikato region, invaluable as a strategic planning tool for forecasting changes in travel demands.
- 2. Hamilton Transport Model (HTM):** A model for the Hamilton Metropolitan area, closely linked with the WRTM. It helps project partners understand current and future network operations, catering to growth, infrastructure development, and policy changes, providing data to support decision-making.

# AREAS WHERE WRTM CAN BENEFIT YOUR ORGANISATION

<b>TRANSPORT PLANNING</b>	 <p>The model helps in evaluating current and future transportation needs.</p>	 <p>Allows for better planning of road networks, public transport systems, and other infrastructure projects.</p>
<b>TRAFFIC PREDICTION</b>	 <p>WRTM can simulate traffic flows and congestion levels under various scenarios.</p>	 <p>Provides insights into potential problem areas and helps identify solutions to alleviate traffic issues.</p>
<b>IMPACT ASSESSMENTS</b>	 <p>Assesses the impact of new developments, eg residential areas, commercial zones, or industrial projects, on the transportation network.</p>	 <p>Assists in making informed decisions about land use and transportation infrastructure development.</p>
<b>POLICY DEVELOPMENT</b>	 <p>The model supports the development of transportation policies.</p>	 <p>Provides data-driven insights into the effects of different policy options on traffic patterns and transportation efficiency.</p>
<b>ENVIRONMENTAL CONSIDERATIONS</b>	 <p>The model simulates different scenarios that can directly report on environmental impacts within zones.</p>	 <p>Helps to understand the environmental impacts of transportation projects, eg emissions and fuel consumption, leading to more sustainable transport planning.</p>
<b>PUBLIC CONSULTATIONS</b>	 <p>Model outputs can inform stakeholders about the expected outcomes of proposed transportation projects or changes to the transport network.</p>	 <p>Better decision-making, transparency, community support, and more effective and equitable outcomes.</p>

## WHO OWNS & MANAGES THE WRTM?

Jointly owned and managed by Co-Lab, the ownership structure of the WRTM is unique to the Waikato Region, with the original ownership and shareholding remaining consistent through various governments and departmental changes. This long-standing agreement, along with strong collaboration among the shareholding parties, has made the WRTM an enduring success.

## WHICH ORGANISATIONS ARE INVOLVED?



## IN SUMMARY

The WRTM is a vital tool for ensuring that the region's transportation system can meet the demands of its growing population and economy while also promoting sustainable and efficient travel options.

**WANT TO KNOW MORE?**  
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