



Lower North Island Rail Integrated Mobility

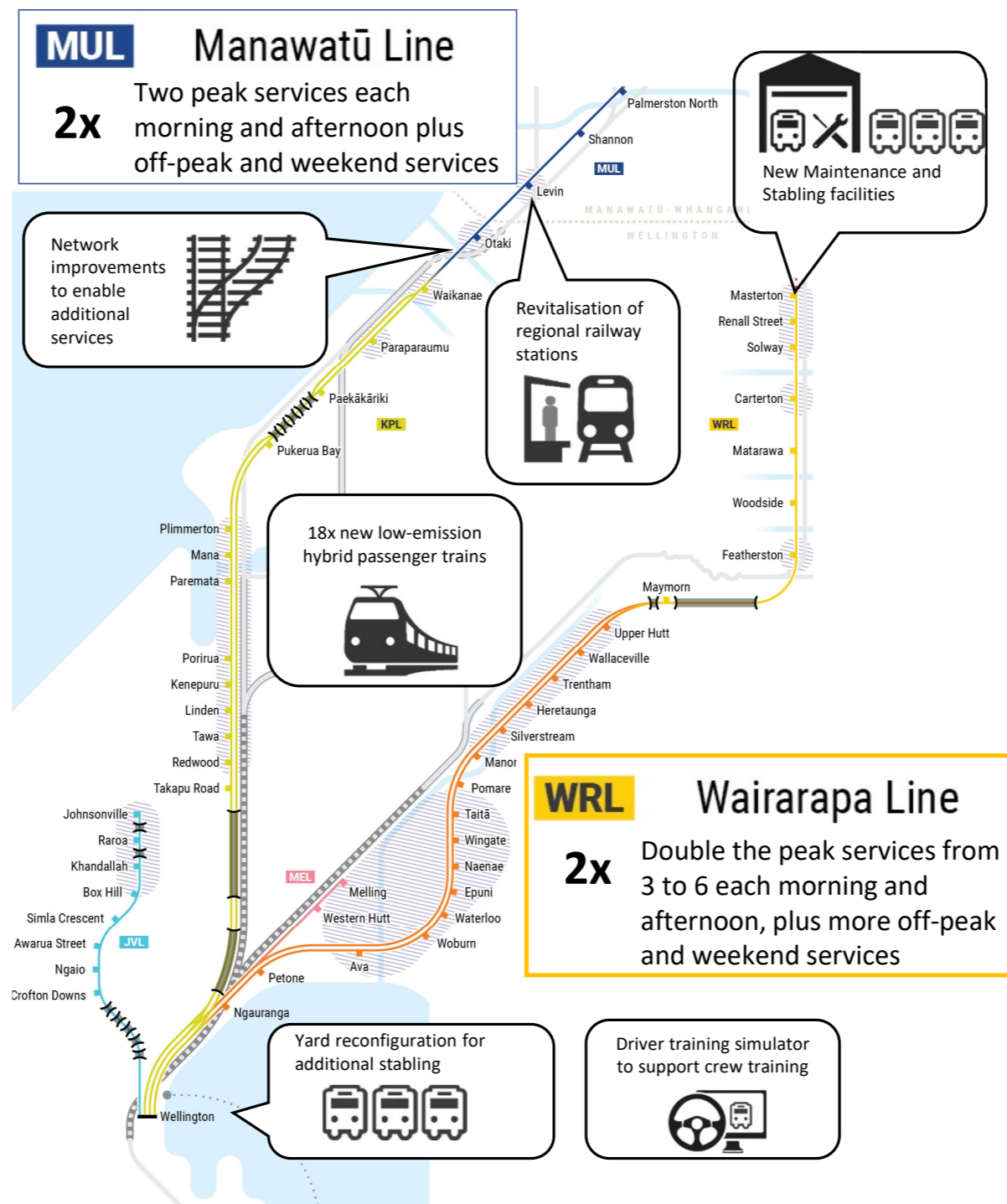
Enabling continuation of regional passenger rail for the Lower North Island, decarbonised



LNIRIM will deliver new low-emission passenger trains and infrastructure improvements to ensure service continuity on the Wairarapa and Manawatū lines. It will enable a significant increase in service frequency to provide a reliable, convenient, affordable, and safe passenger transport option for the forecast population.

Eighteen 4-car tri-mode trains will replace the near life-expired 1970's carriage fleets, enabling improved services which will increase connectivity across the lower North Island and support growth along these transport corridors. Network improvements will improve corridor capacity and resilience for both passenger and freight services, and stations will be revitalized to meet modern accessibility and amenity standards.

The initiative aligns with and contributes to the strategic direction of the national and regional transport priorities, reflected in critical government plans and policies, including the GPS on Land Transport and the Rail Plan. The initiative aims to support the government to facilitate mode shift and passenger VKT reduction, improve safety, reduce emissions, and improve access to future economic opportunities.



An investment of \$608m with a Benefit Cost Ratio (BCR) of 3.5, delivering wide ranging benefits:

<p>Provide a critical community link, the only commuter alternative to road, to enable inclusive access to economic, social and health opportunities</p>	<p>Promote mode shift by enhancing the attractiveness of public transport It will divert 23.8 million trips from the roads, resulting in 0.6 to 1.6 million tonnes of avoided carbon emissions</p>
<p>Improve the overall transport corridor resilience and capacity with improved frequency, less crowding and better reliability.</p>	<p>Reduce greenhouse gas emissions with a potential for full decarbonisation as battery technology improves A new tri-mode train will emit 8x less carbon than current diesel locomotives hauled trains.</p>
<p>Improve public transport attractiveness and mode choice with new amenities It will provide more comfortable, clean and modern trains with good ventilation</p>	<p>Improve safety by reducing road congestion with safe and accessible rollingstock It will prevent over 100 crashes resulting in serious injuries or death</p>
<p>Enable value for money with reduced operating risk and increased operating efficiency New services will cost almost 50% less per service, compared to the do-minimum case</p>	<p>Support economic growth by enabling regional land use plans with transport infrastructure</p>