

# Net Zero Corridors - The Business Case and an Engagement Process

October 2021 - June 2023

This project will build on previous projects related to mid-tier transit solutions, activated transit corridors and housing diversity. It will illustrate how 'net zero city' transit corridors can be delivered through integrating 'net zero mid-tier transit' with 'net zero precincts' that are connected with surrounding suburbs through microgrids and electric mobility and micro-mobility solutions. The project aims to: 1) create a business case for net zero city transit corridors, based on the requirements of Infrastructure Australia; and 2) create an engagement process to capture the community's imagination in how these transitions to net zero could unfold. The business case and engagement process development will draw on evolving activated transit corridor and transit solution initiatives in three capital cities (Perth, Melbourne and Sydney) and three regional cities (Townsville, Sunshine Coast and Bunbury). The project will also involve trialling up to three new transit technologies, which will inform the Business Case and Engagement Process.

## Objectives

The following objectives will be addressed to work towards net zero outcomes:

1. Identify key mechanisms for Australian states and territories to enable the integration of accredited, net zero Mid-tier transit into the operational aspects of the rest of the transport and urban planning systems.
2. Investigate how to integrate smart technologies and renewable energy into net zero Mid-tier transit station precincts to assist with a mechanism for transitioning to net zero cities through net zero corridors;
3. Distil and evaluate key mechanisms for integrating housing diversity (typology and tenure) outcomes into the urban regeneration along net zero corridors;

## Industry Outcomes

The key industry outcomes include:

1. Supports development of innovation in how to create more sustainable, productive, liveable, affordable and healthy outcomes in urban form and transport systems through a new approach called Transit Activated Corridors.
2. Case studies involving private sector and government interests will demonstrate how to deliver these TAC's in different parts of cities and also regional towns.
3. Provide a Transit Activated Corridors Tool Box in a multimedia platform that will be available for professional development and capacity building.

Image: Visualisation of potential urban development form in Liverpool LGA on FAST Corridor - Liverpool City Council, Sydney (2020) 'FAST Corridor Design Framework'



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