

# Better Connected

Decarbonising Transport in Belfast/Northern Ireland

Ian Campbell, Director of Service Operations, Translink



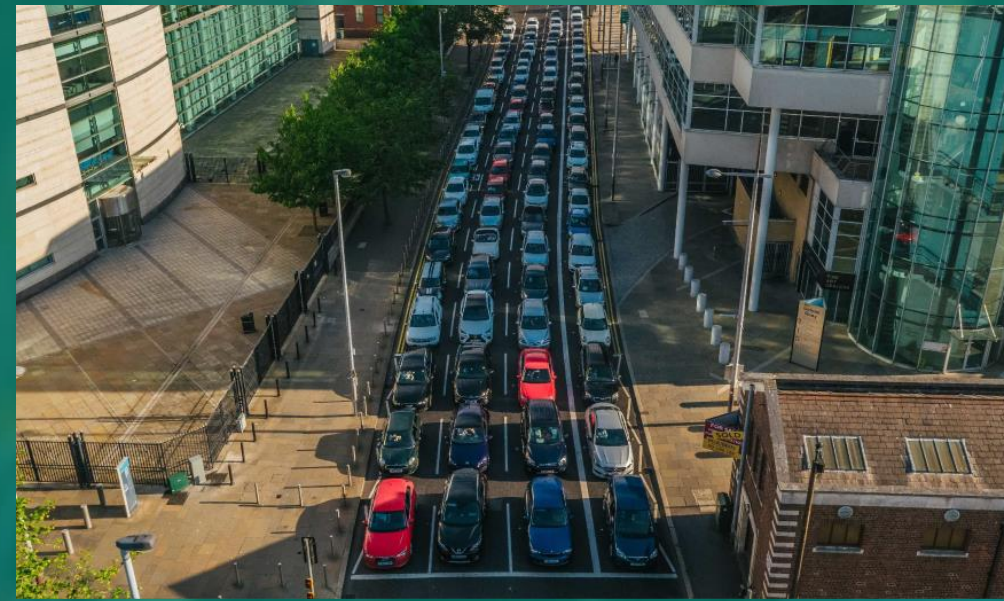
# The Need for Change

**Climate:** Transport emits 20% of NI's total GHGs, an increase of 22% since 1990, the biggest contributor is cars

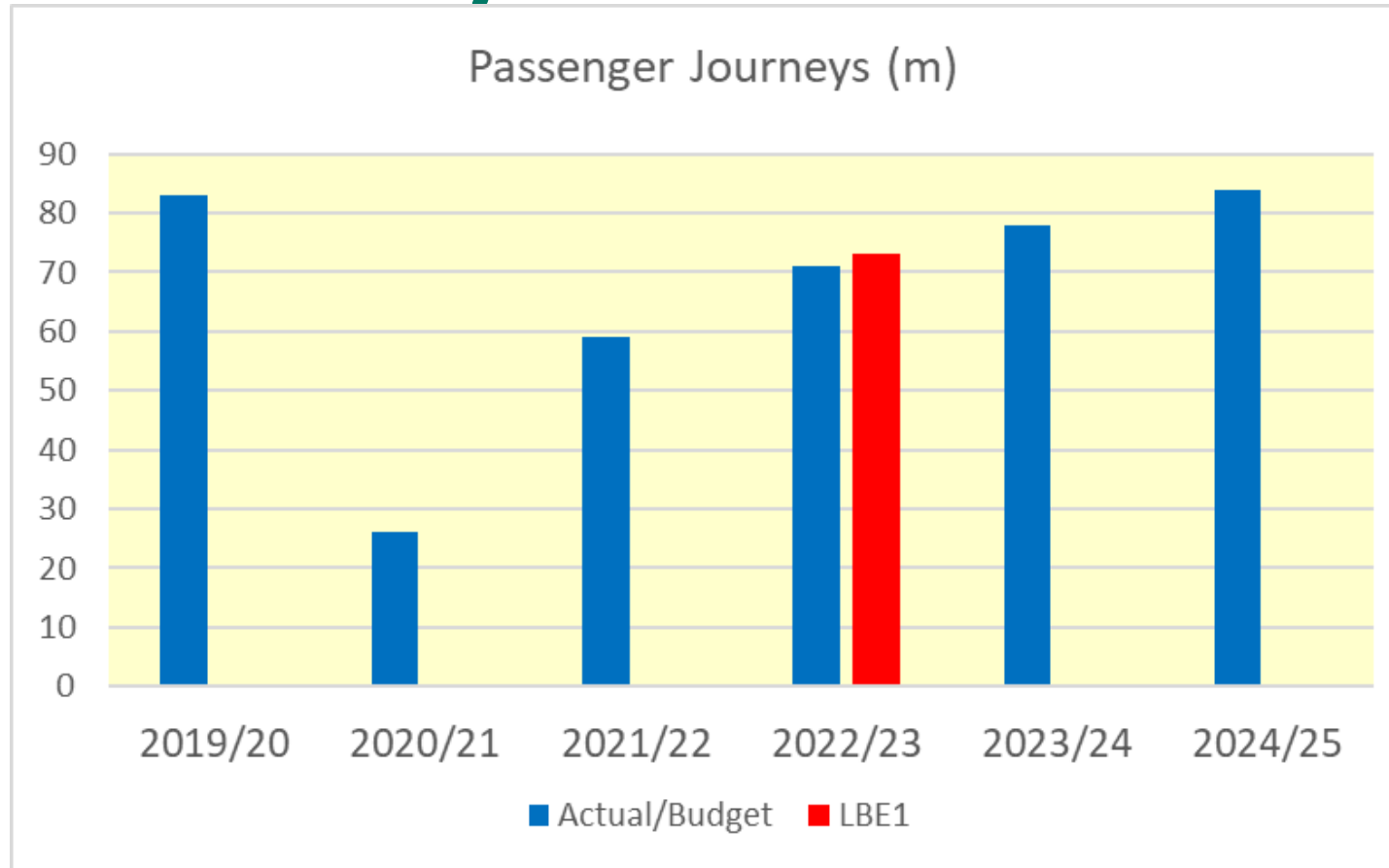
**Energy:** Transport consumed 30% of NI's total energy, this will transition to renewables in the future

**Health:** Poor air quality is the biggest environmental risk to public health in the UK, contributes to 800 deaths a year in NI

**Economy:** Connectivity is key driver for the economy in Belfast and NI. Cost of living - Public Transport provides affordable accessible mobility.



# Post Covid Recovery:



- Passenger journeys 22/23 +20% to 71m (c 85% pre Covid levels)
- Full Recovery budgeted for in 24/25



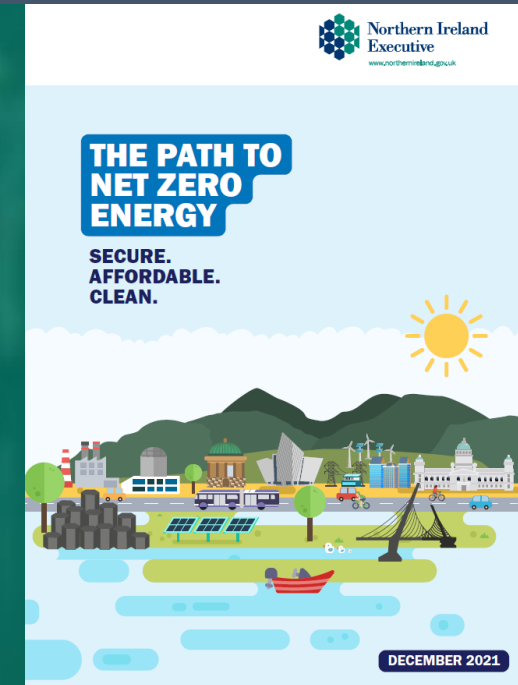
# Climate Change, Green Growth & Energy Strategy

A Modal Shift to public transport, along with decarbonisation will:

- Support emission targets for 2030, 2040 and 2050
- Support doing 'more with less' (wasteful use of resources)
- Play a leading role in the transition from fossil fuelled transport to renewably produced electricity and green hydrogen
- Support a Just Transition- lower cost “green” travel solutions helping with the cost of living crisis
- Support Collaboration – Maximise outcomes across all department strategies, e.g. Clean Air and Health & Wellbeing
- Create Green Jobs in zero emission fleet and infrastructure technologies



Climate Change Act (Northern Ireland) 2022



Climate Action

## The Race to Zero

**50%**

reduction in  
emissions by 2030  
or sooner

**Net  
Zero**

by 2040  
or sooner

**Climate  
Positive**

by 2050  
or sooner

# Translink Zero Emission Bus Programme

NIH2 Pilot



3 Hydrogen buses  
for Belfast - live  
Dec 2020

Phase 1



80 Electric buses  
and 20 Hydrogen  
for Belfast – live  
March 2022

Phase 2



New Foyle Metro Electric  
Fleet ,Derry~Londonderry  
- go live Summer 2023

Phase 3



100 Electric buses  
for Ulsterbus and  
Belfast Metro – go  
live Summer 2024





# Belfast EV Charging Hubs



# Alternative Technology – Hydrogen Fuel Cell Electric Vehicle



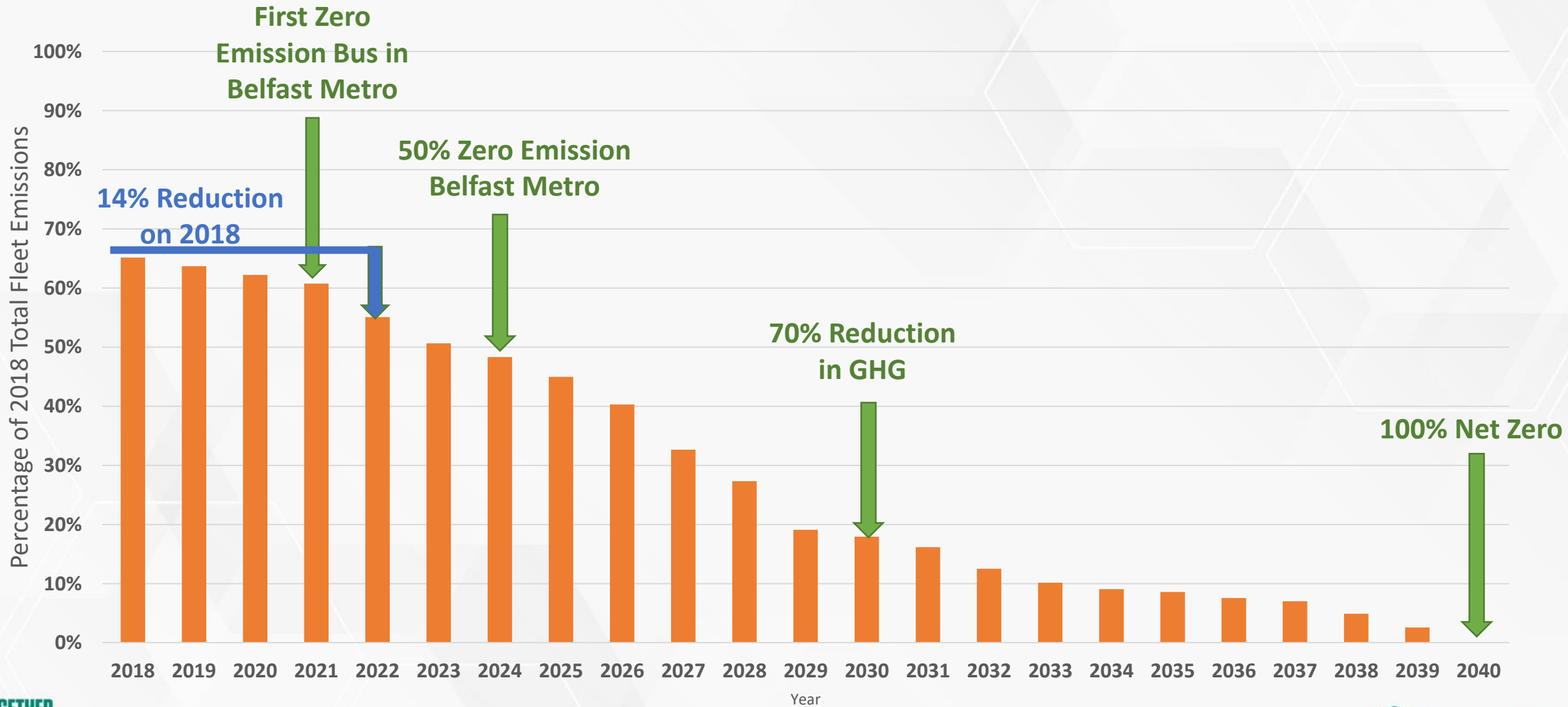
Wrightbus Streetdeck Hydroliner



Hydrogen Refuelling  
Stations



# Translink Bus Fleet Milestones





Climate Action

# Zero Emission Rail

All Island  
Rail Review

Zero  
emission  
Technologies

Enterprise  
Development  
Strategy



Translink

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# What is needed?

**Climate:** Modal shift away from cars to mass transport (public transport) – Continue to invest in the network across Belfast and implement demand management programmes.

**Energy:** Decarbonise public transport-continue to invest in bus and rail fleet decarbonisation

**Health:** Create clean air zones in major cities and towns – already happening across these islands.

**Economy:** Extend public transport support schemes for young people, people with disabilities, low-income families, employees.





# Thank You



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