

Green Line  
Re-Casting Business  
Case for COVID and  
Economic Recovery

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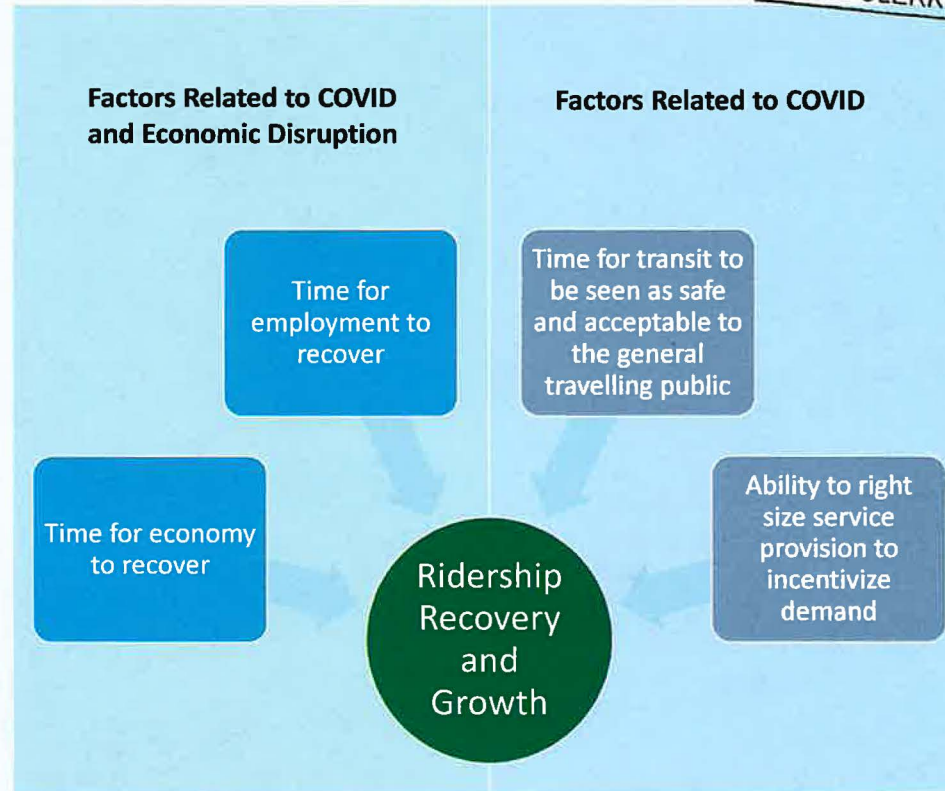
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# Scenario Framing

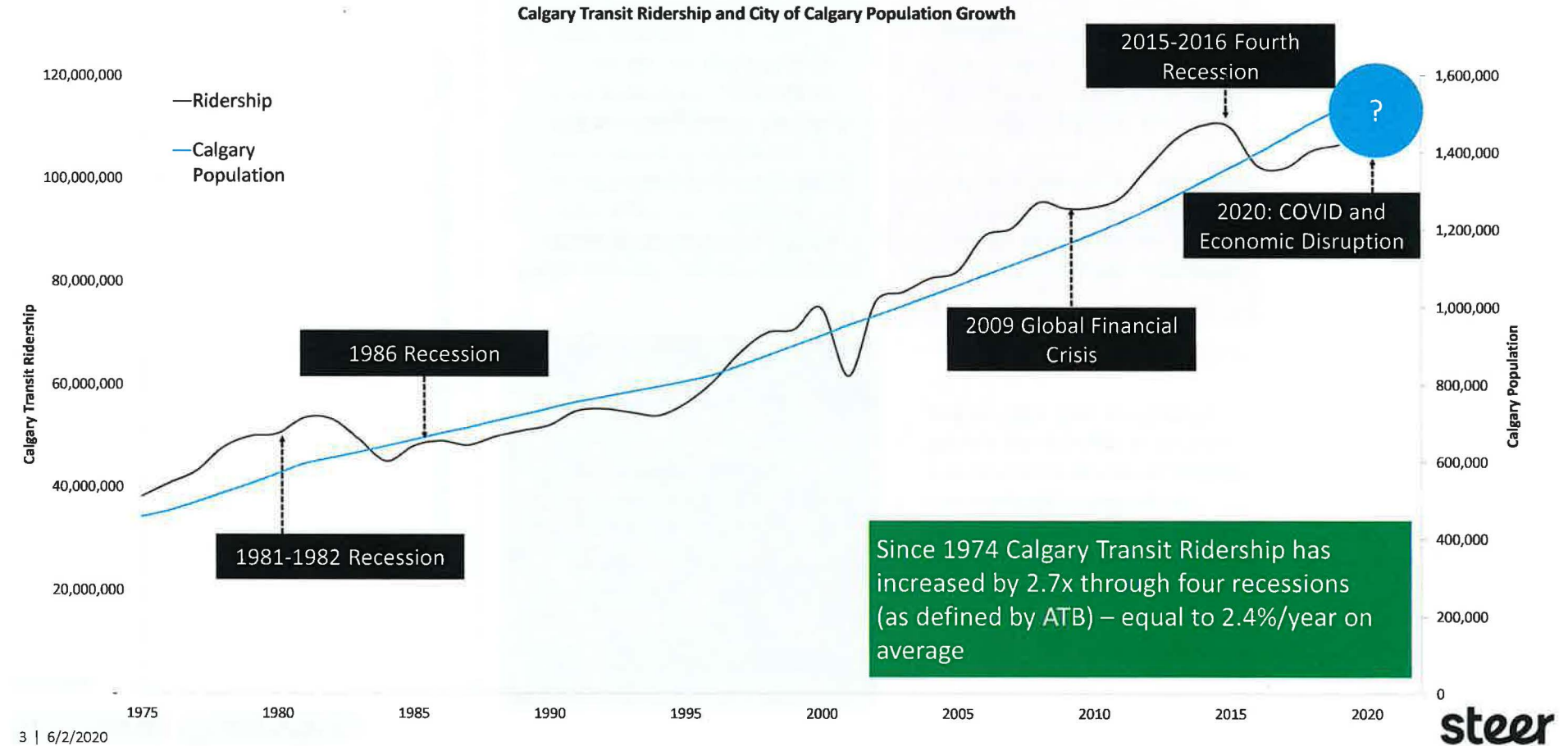
Scenarios have been set out to communicate how changes to economic activity and the pandemic could impact the ridership and benefits of the Green Line LRT.

Scenario analysis is useful when facing an uncertain future:

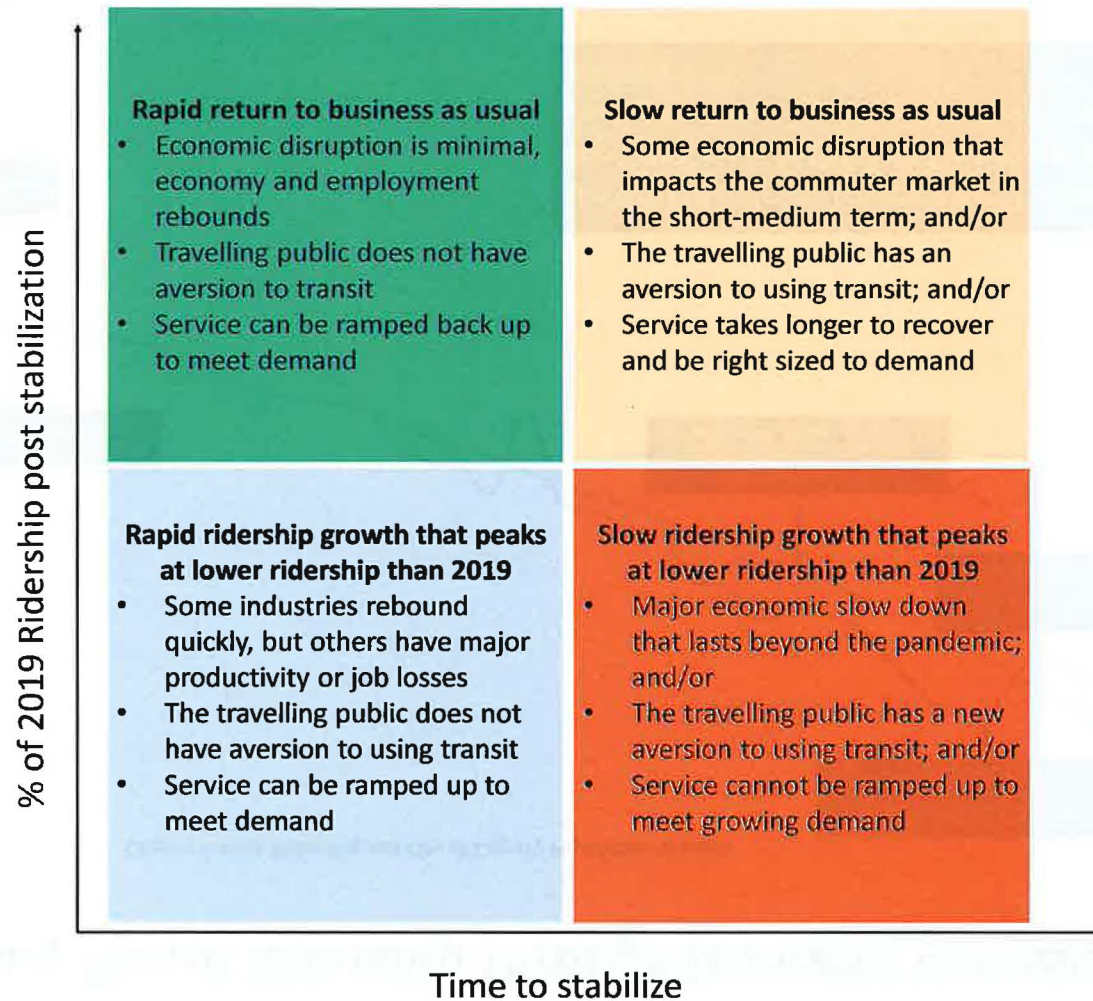
- Transport models are based on past travel behaviour and growth
- The future is unknown and cannot be forecasted completely



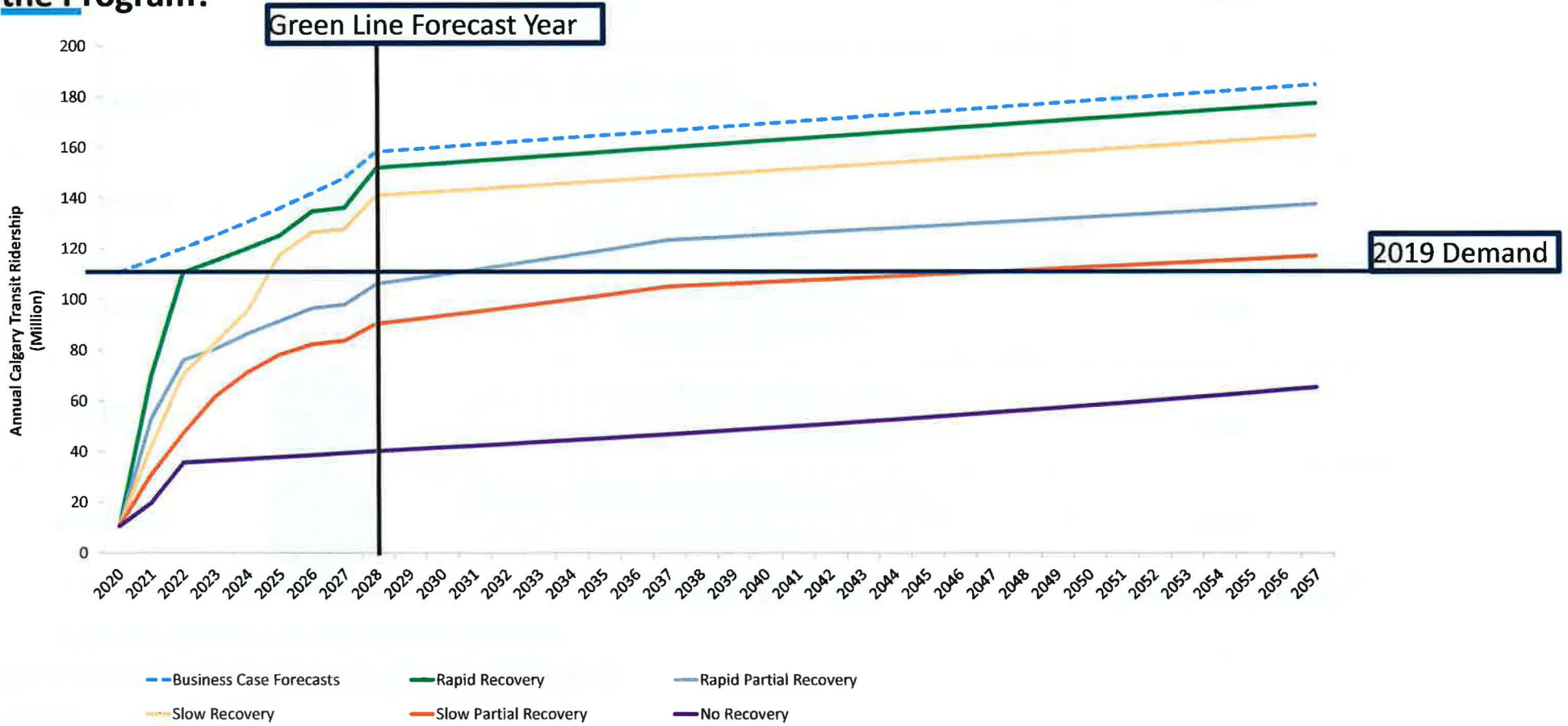
# Historic Context: Calgary Transit Ridership Through Economic Recessions



# Scenario Overview









# Stress Testing the Green Line: How Could Economic Change and COVID Disruption Impact the Program?



# Impacts on Green Line LRT

The Green Line was tested under the four scenarios to understand impact on ridership and benefits.

	Benefit: Cost Ratio	Daily Ridership in 2028	Peak Point Demand
Business Case	0.56	 4,400	4,400
Rapid Recovery	0.54	 4,200	4,200
Rapid Partial Recovery	0.51	 3,000	3,000
Slow Recovery	0.38	 3,900	3,900
Slow Partial Recovery	0.32	 2,800	2,800
No Recovery		 16,500	1,500

## Implications for Green Line and Required Level of Service

- High performance bus lines can carry approximately 2,000 passengers per hour per direction.
- Under the slow partial recovery scenario, a downtown bound bus would be required every 2 minutes in the peak to meet opening year demand
- This level service may be challenging to deliver due to the road configuration in the SE and Downtown

