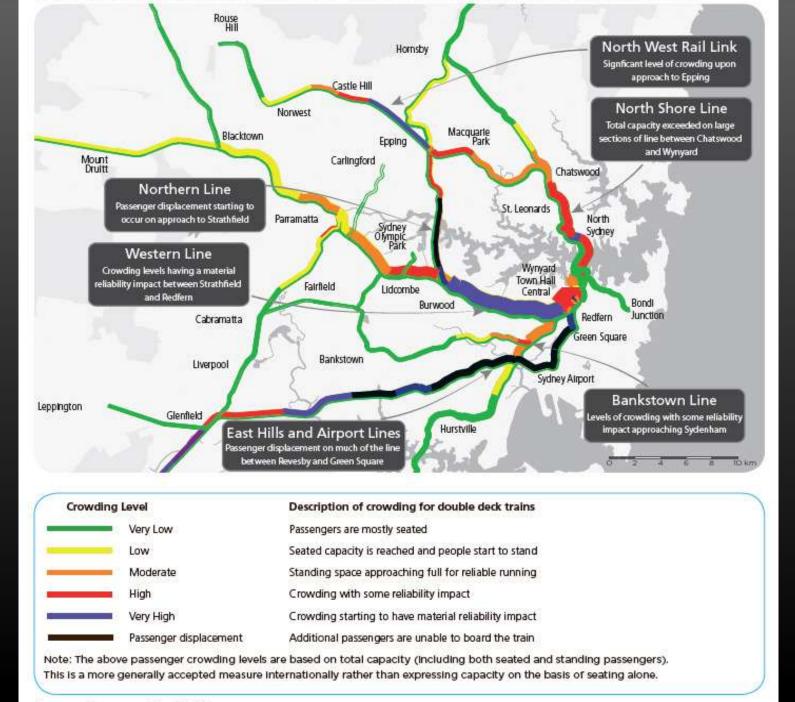
The Turbulent Sydney Metro Story

Ecotransit Sydney Mathew Hounsell Co-convenor



Source: Transport for NSW

			Growth by mode		
ŧ.ŧ	13%	Population		1 24%	Train trips
Q	1 7%	Weekday trips		19%	Bus trips
*	10%	Weekend trips	~	\$ 5%	Vehicle trips
<u></u>	123%	Vehicles	C	1 21%	Total public transport

Passenger Journeys - 12 Month Average

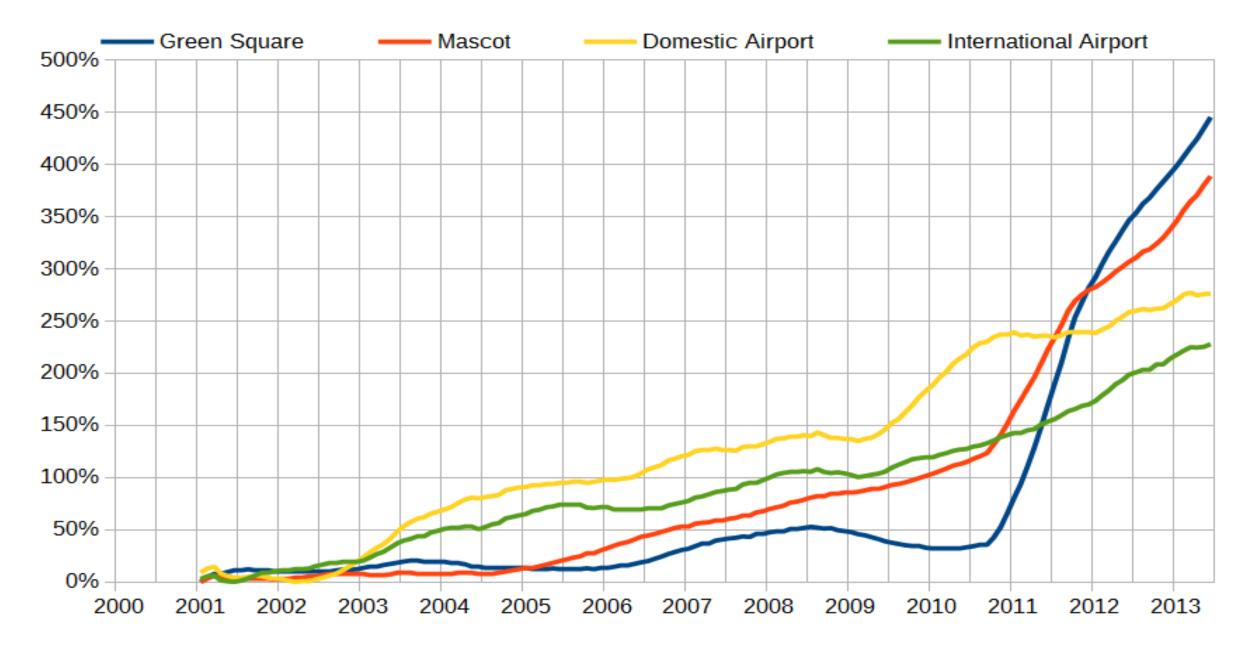


Table 31	Summary of economic results for key land transport optic		
Option	Remove Station Access Fee, with a Public Transport Information Campaign		
BCR	1.5		
NPV (\$m)	268		

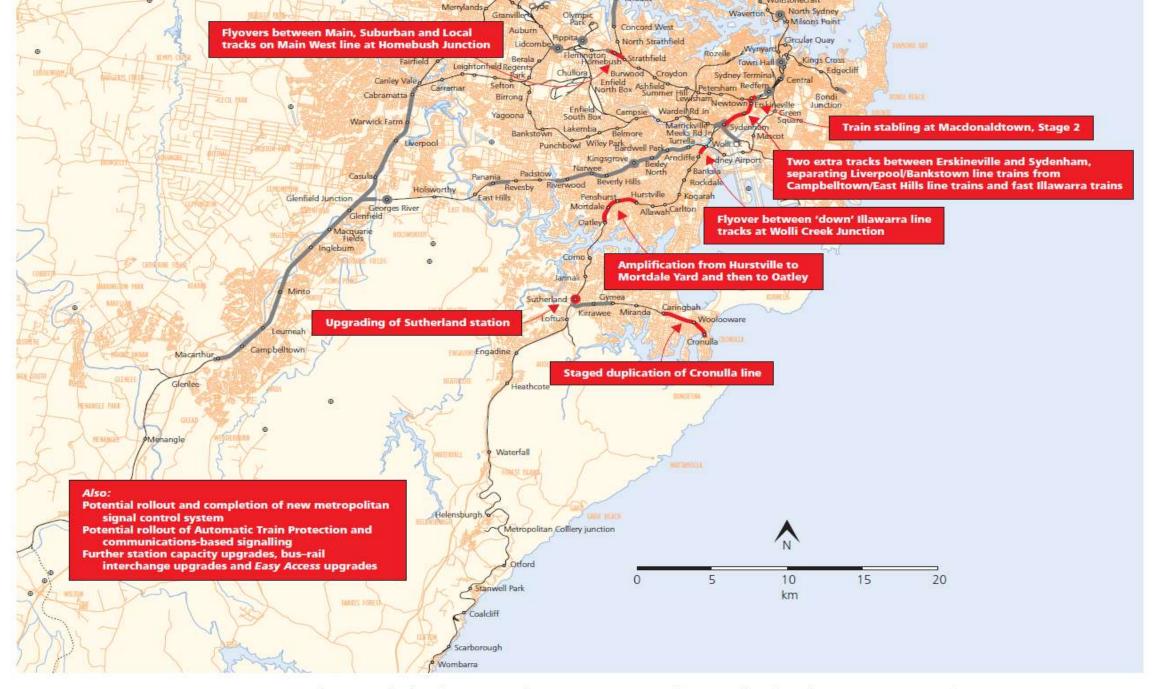


Figure 5.2. Rail network developments between 2006 and 2011 (for details, see section 4.4).



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Imagery © AAM

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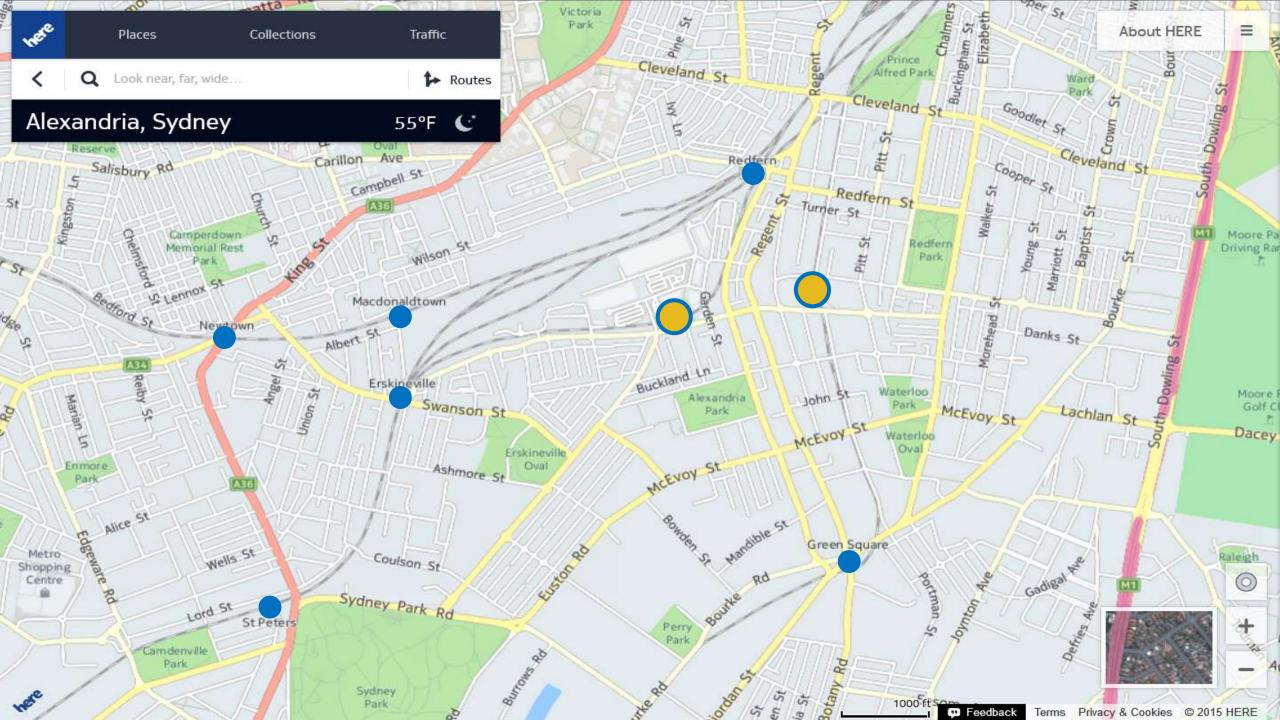
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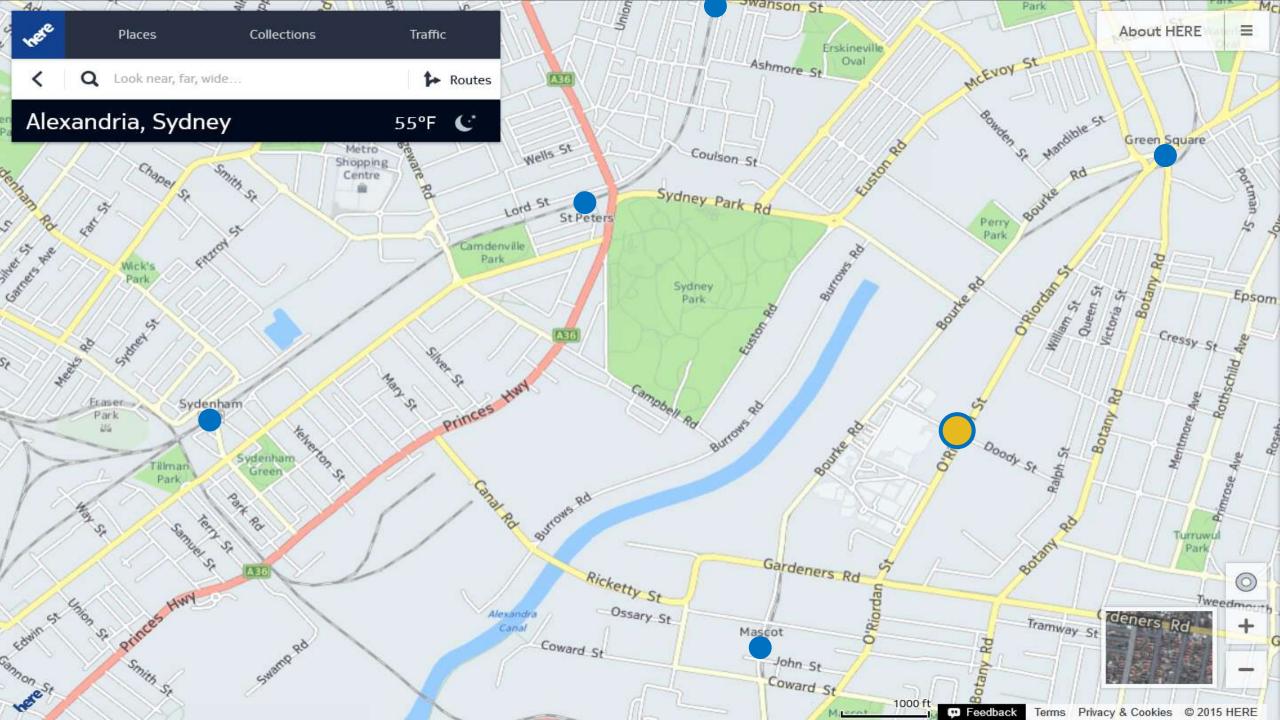
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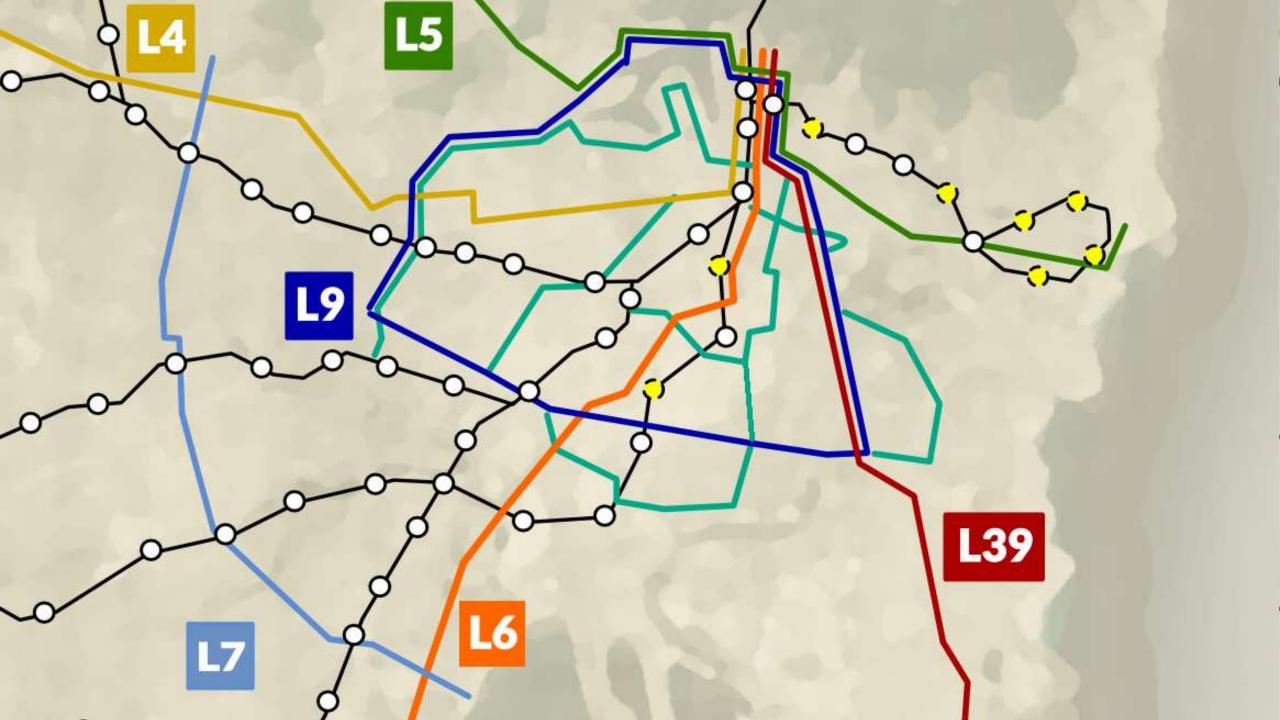
Comparison

	Rail Clearway	Light Rail	Metro
cost / track km	\$30 million	\$20 million	\$200 million
passengers / vehicle	1,200	250	900

6 km / hour	Rail Clearway	Light Rail	Metro
cost	\$200 million	\$120 million	\$1,200 million
passengers / hour	36,000	7,500	27,000

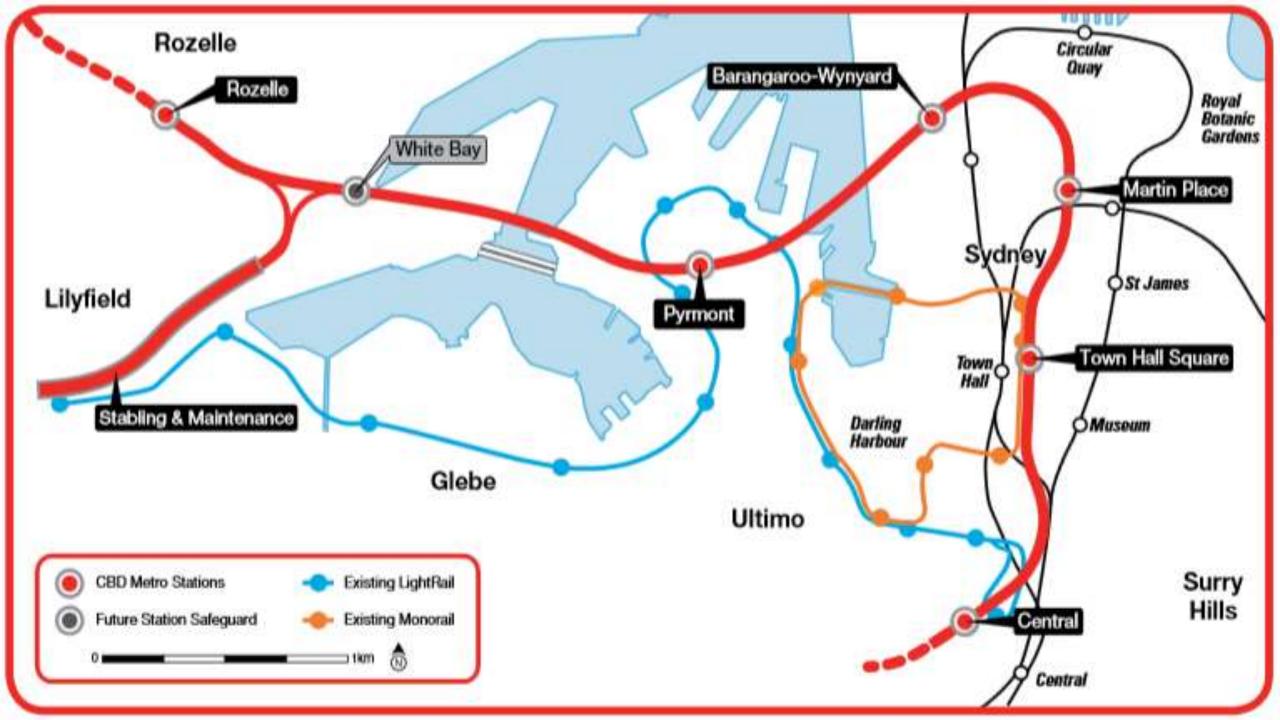


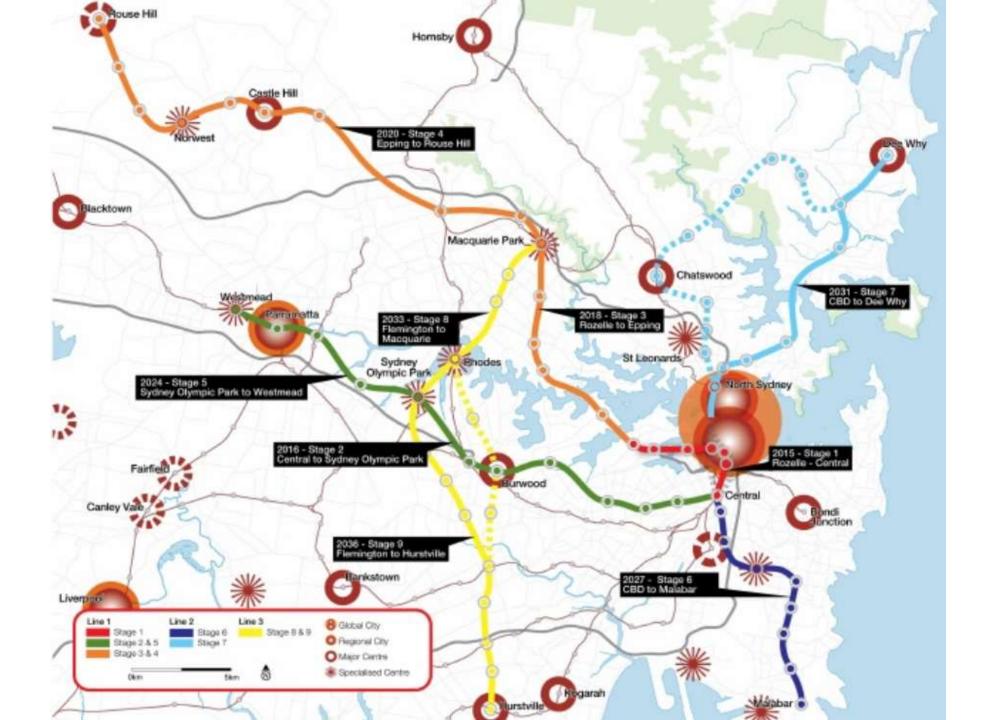


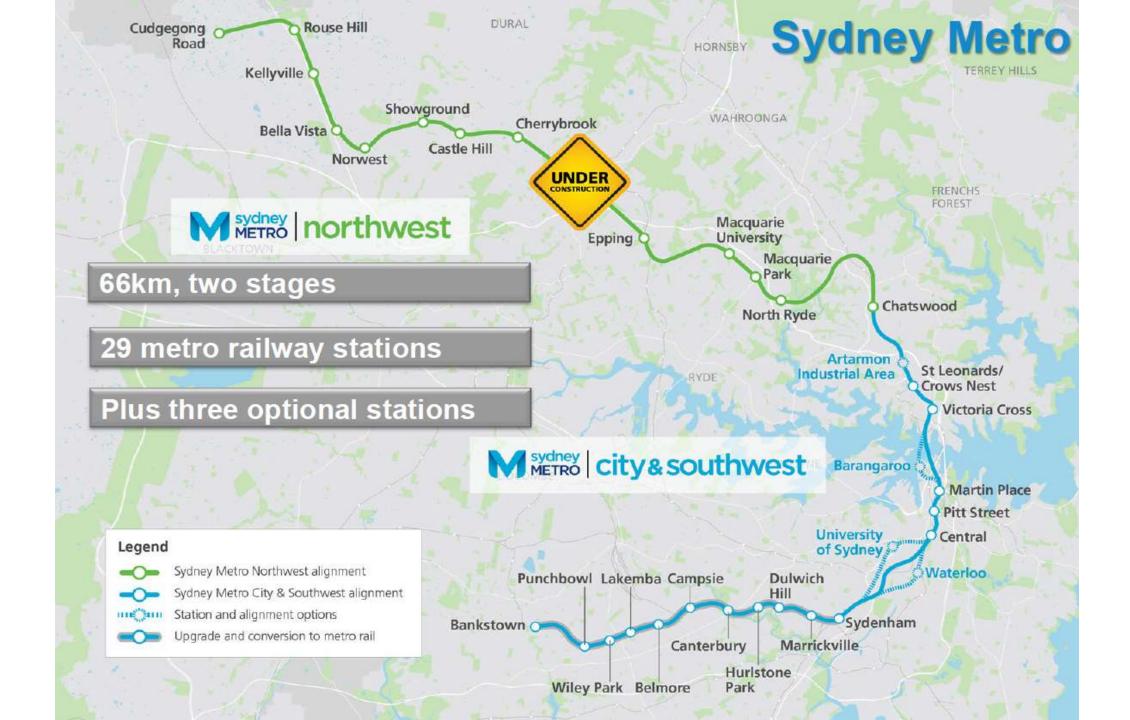


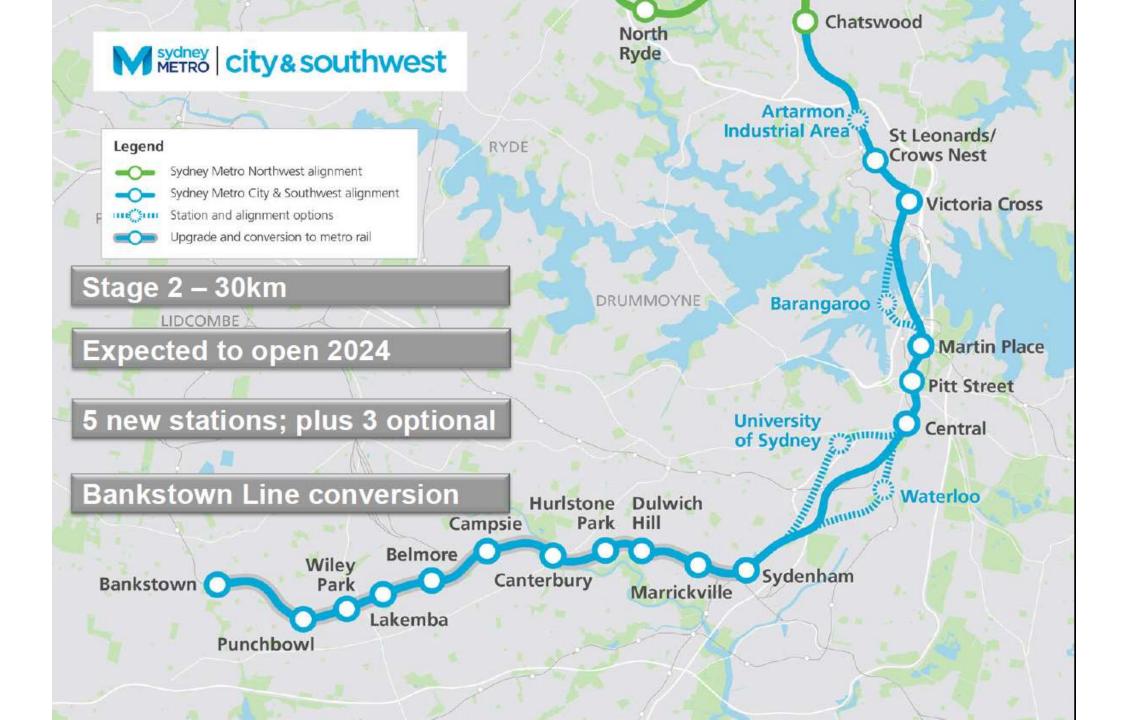
Why Metros?













baranyaroo

Martin Place

Pitt Street

Sydney University

Waterloo

Transit: Click on stations for more information

Seymour Centre The University of Sydney

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Royal Prince Alfred Hospital Lake Northam

The University of Abercromble 2 Sydney Business School St Andrew's College

Carriageworks

Australian Technology Park

Stillson St Macdonaldtown

Newtown

more Theatre

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MEETO

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Alexandria Park?

Alexandria

Green Square

Prince Allfed Park

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Moore Park Dacey Ave

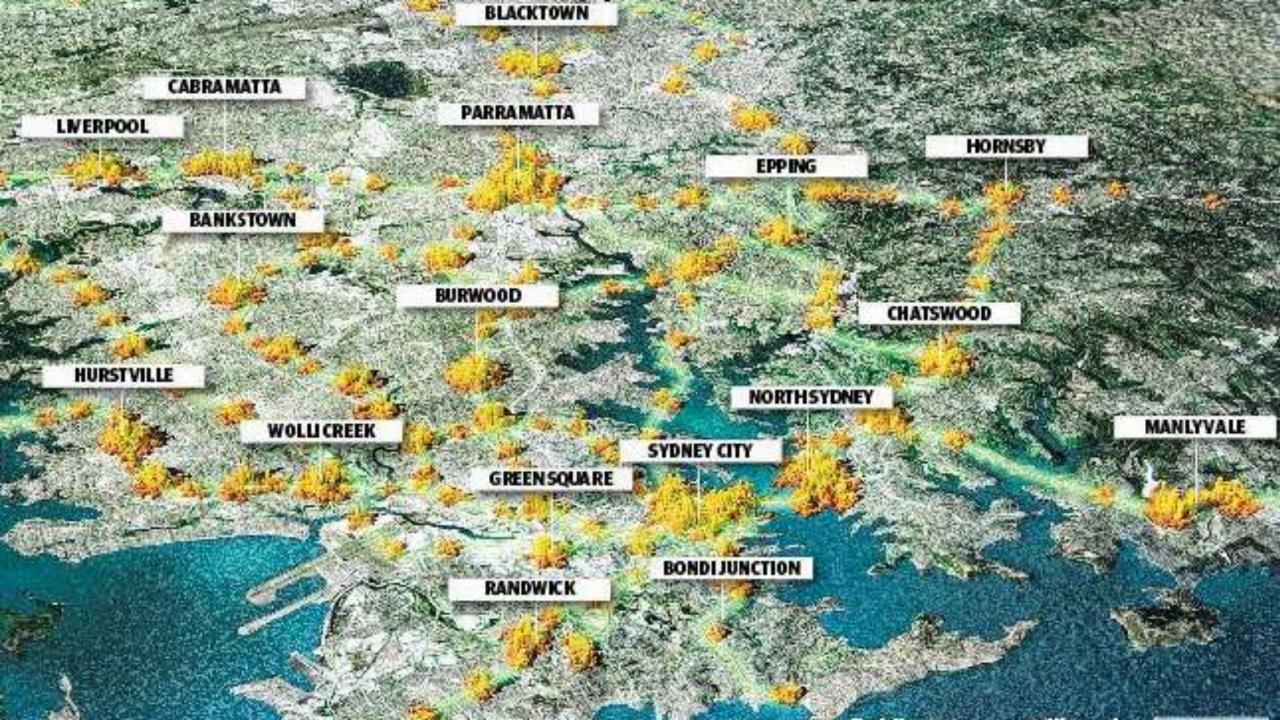
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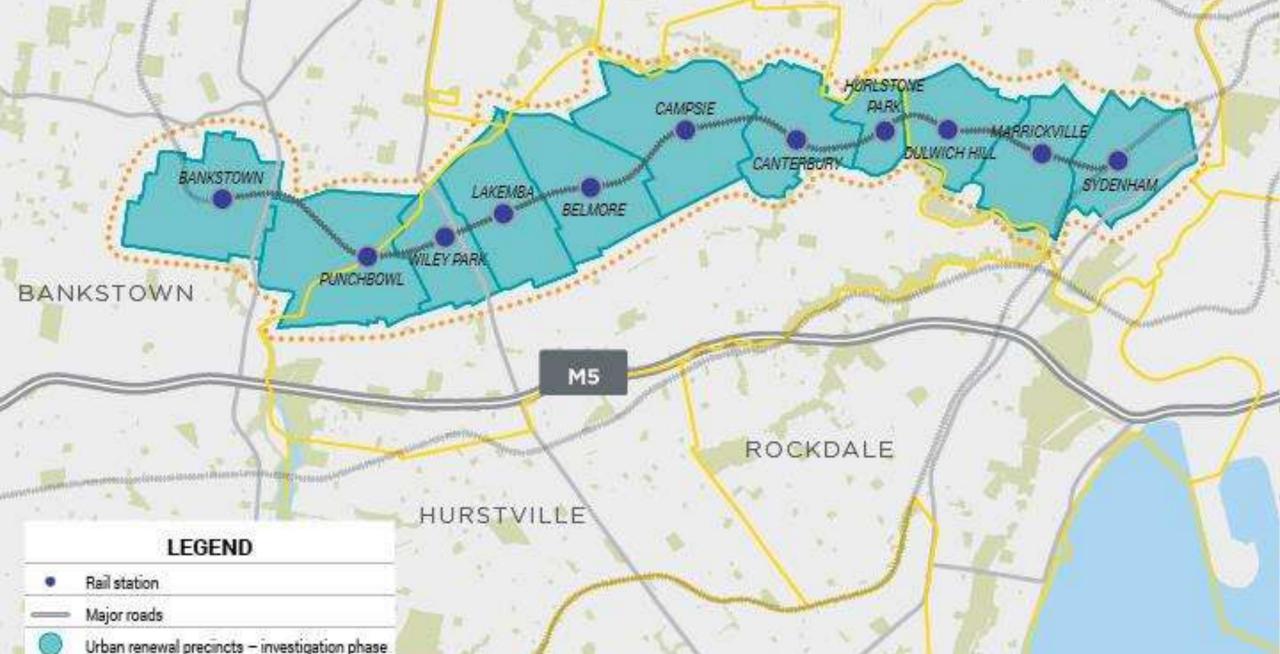
Surry Hills

Moore Park Golf

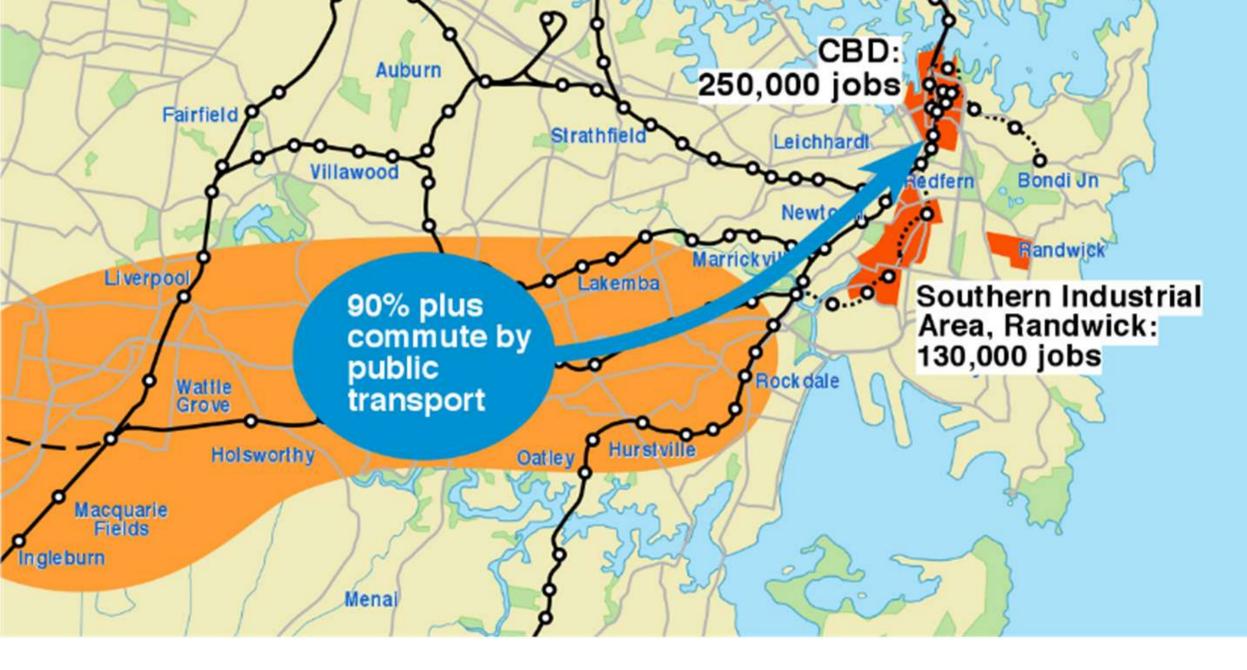
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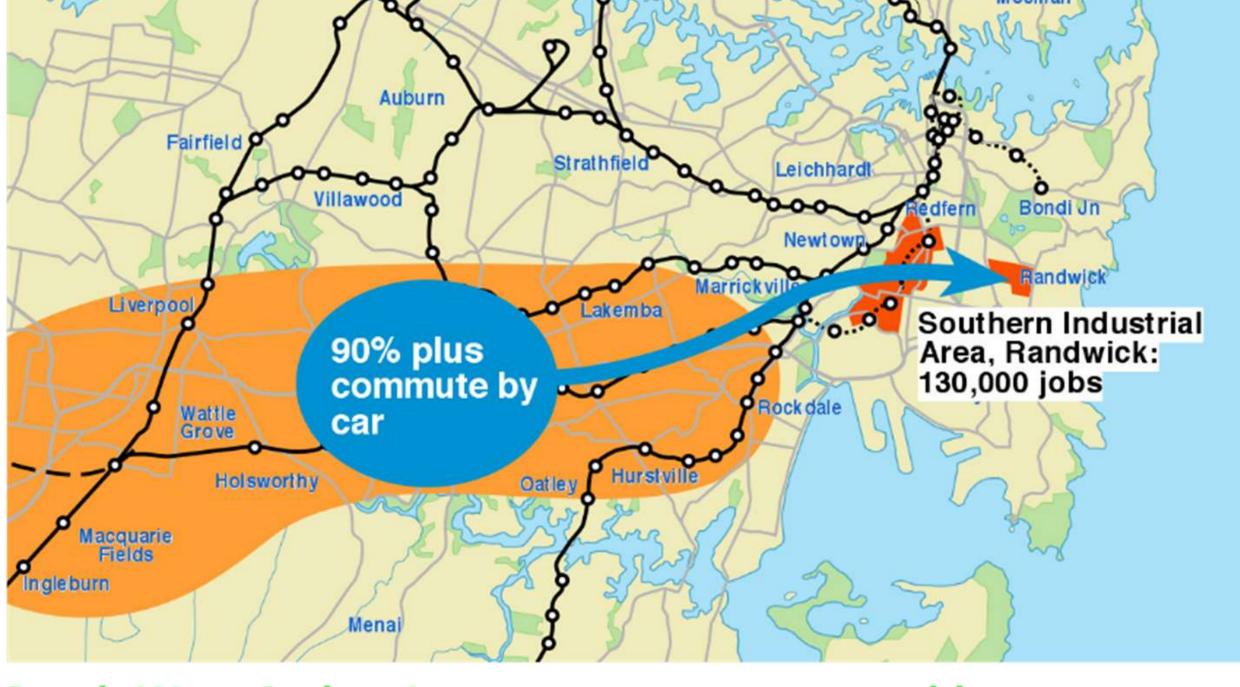
URBAN RENEWAL CORRIDOR



What does this means for Alexandria, Erskineville, and the Inner City?



South-West Sydney's greatest commuter problem:



South-West Sydney's greatest commuter problem:



Planning Viewer Beta

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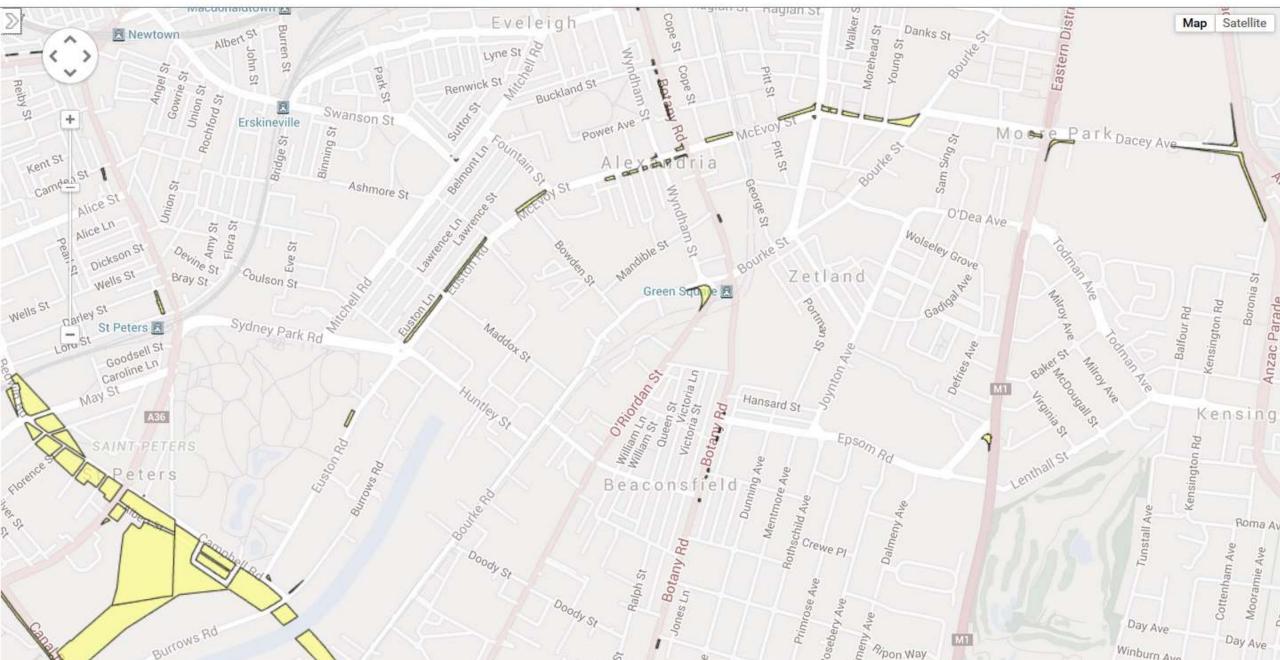
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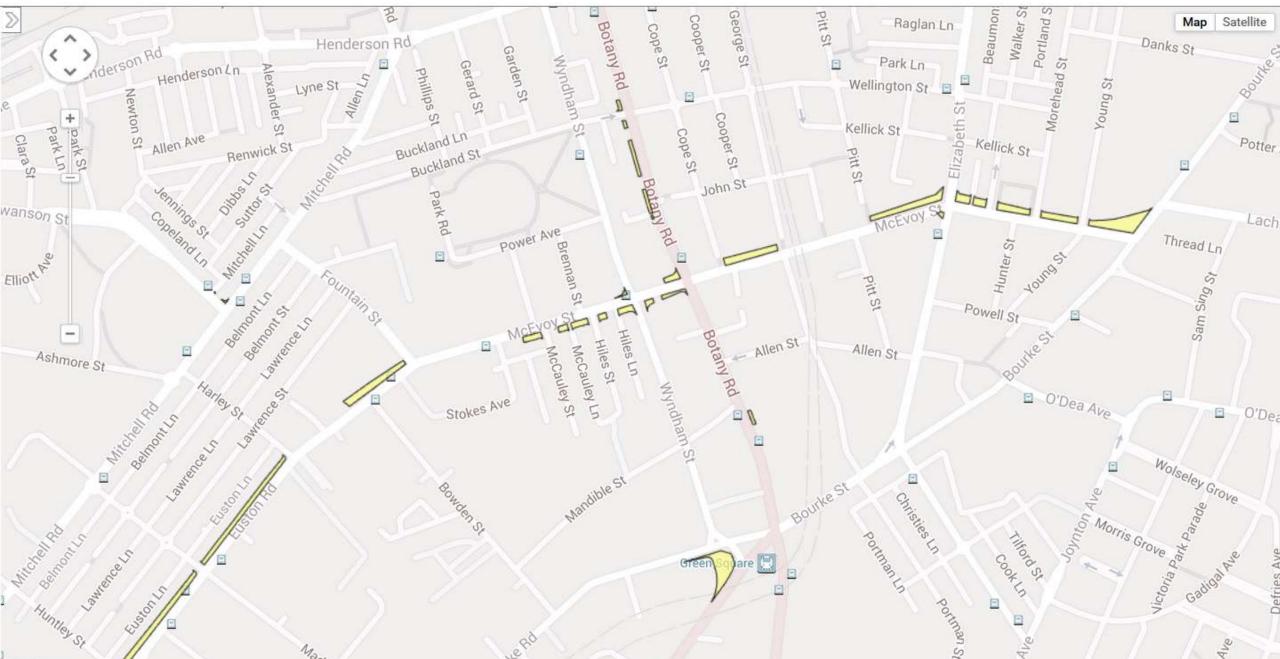
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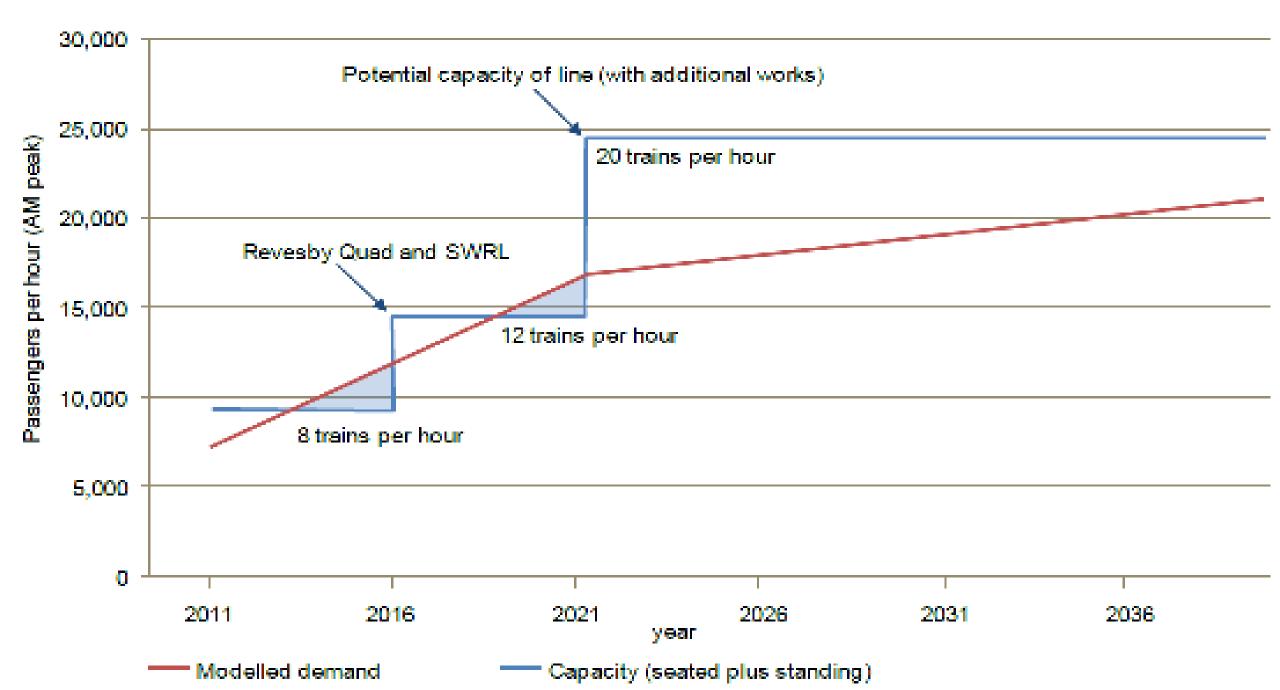
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Help



What about the passengers?

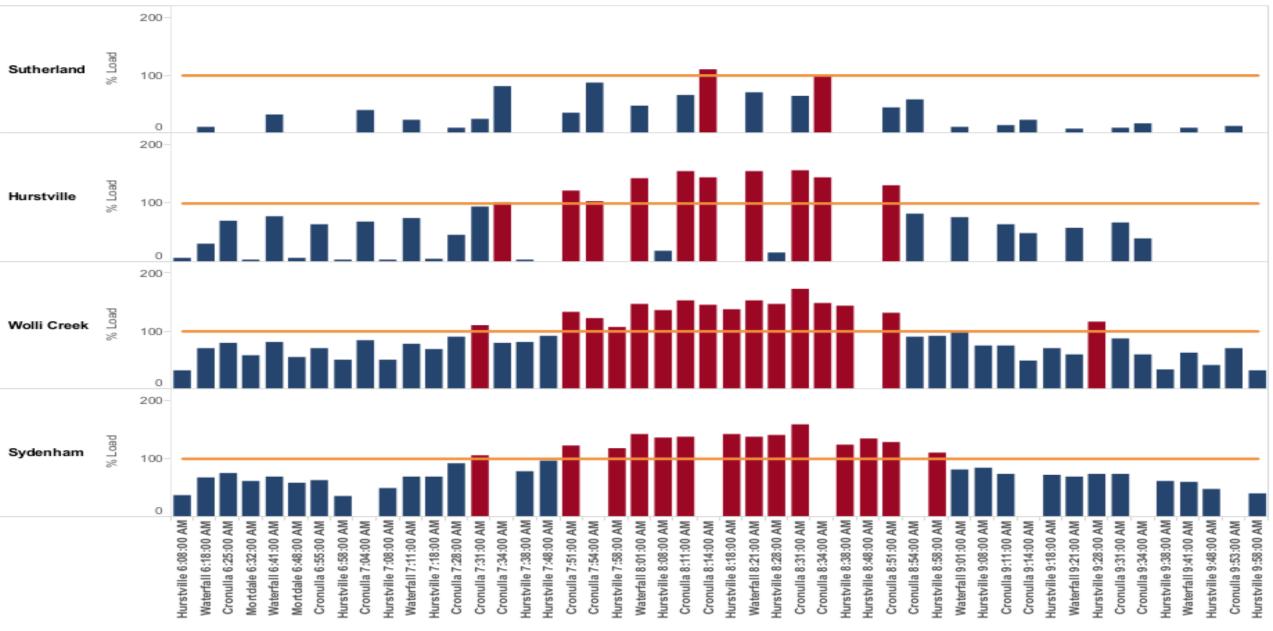
Figure 2 Potential Airport Rail Link capacity compared to modelled demand in the am peak



Train Loads Survey: March 2015 - By Line

Progressive Passenger Loading on T4 Eastern Suburbs & Illawarra Line in AM Peak

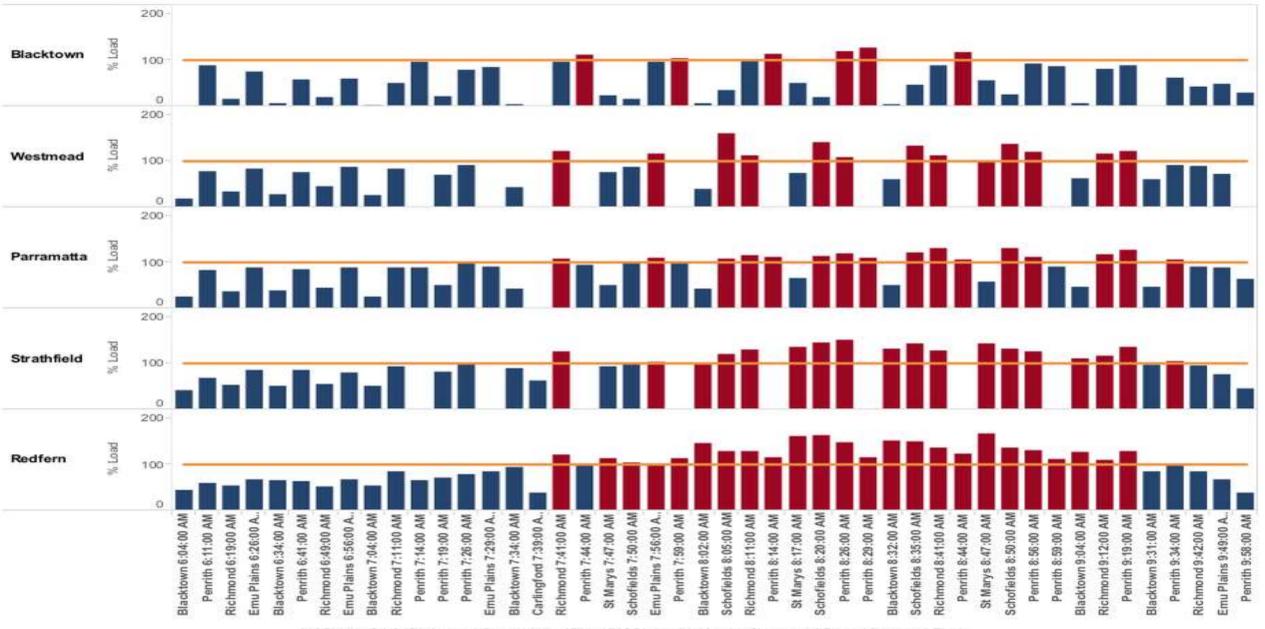
Illawarra Line



Train Loads Survey: March 2015 - By Line

Progressive Passenger Loading on T1 North Shore, Northern & Western Line in AM Peak

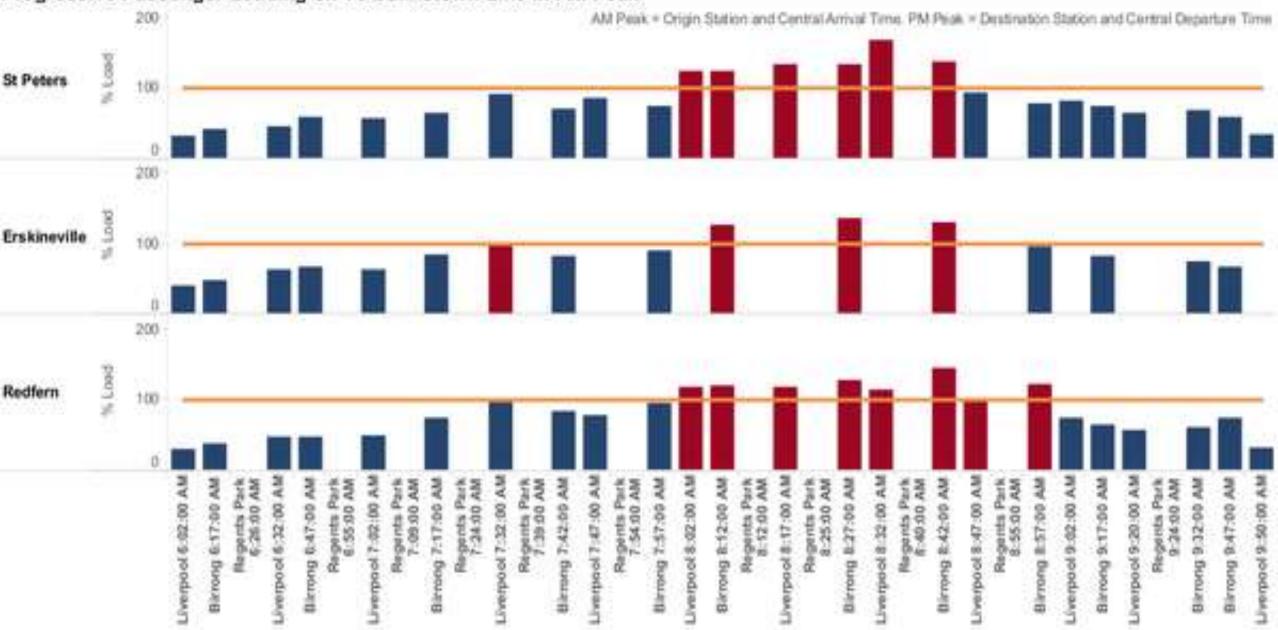
Western Line



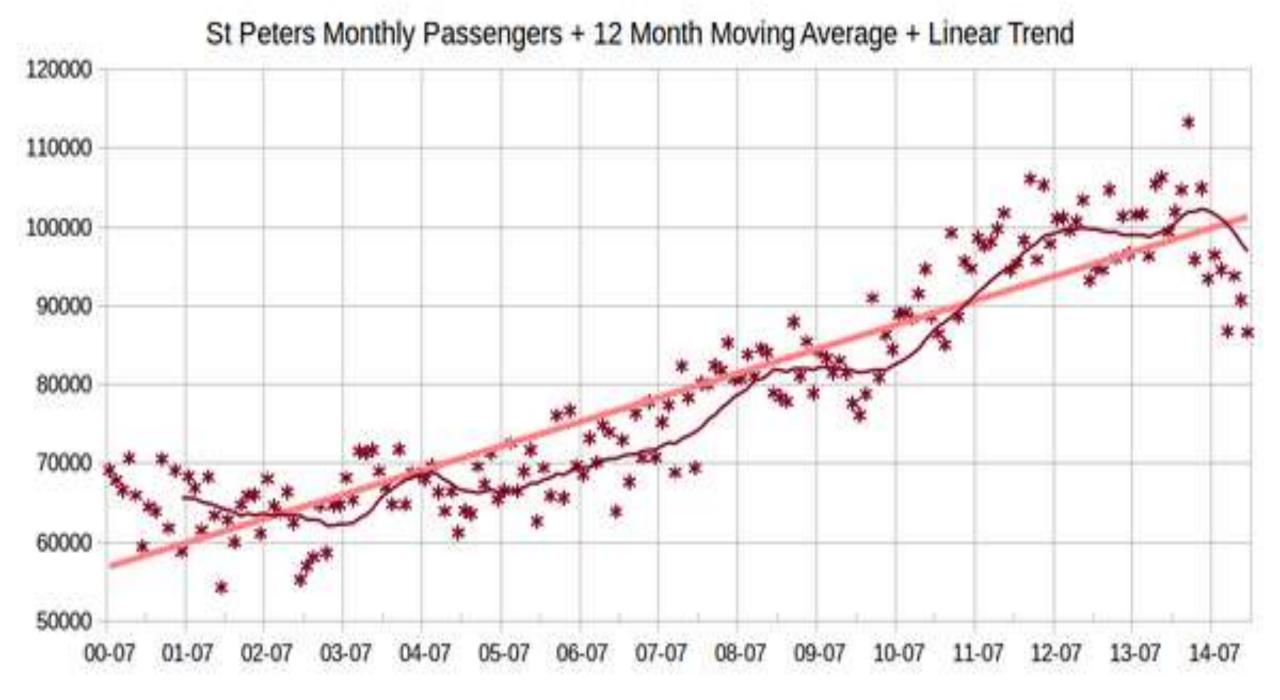
AM Peak = Origin Station and Central Arrival Time. PM Peak = Destination Station and Central Departure Time

Train Loads Survey: March 2015 - By Line KLoad Scale

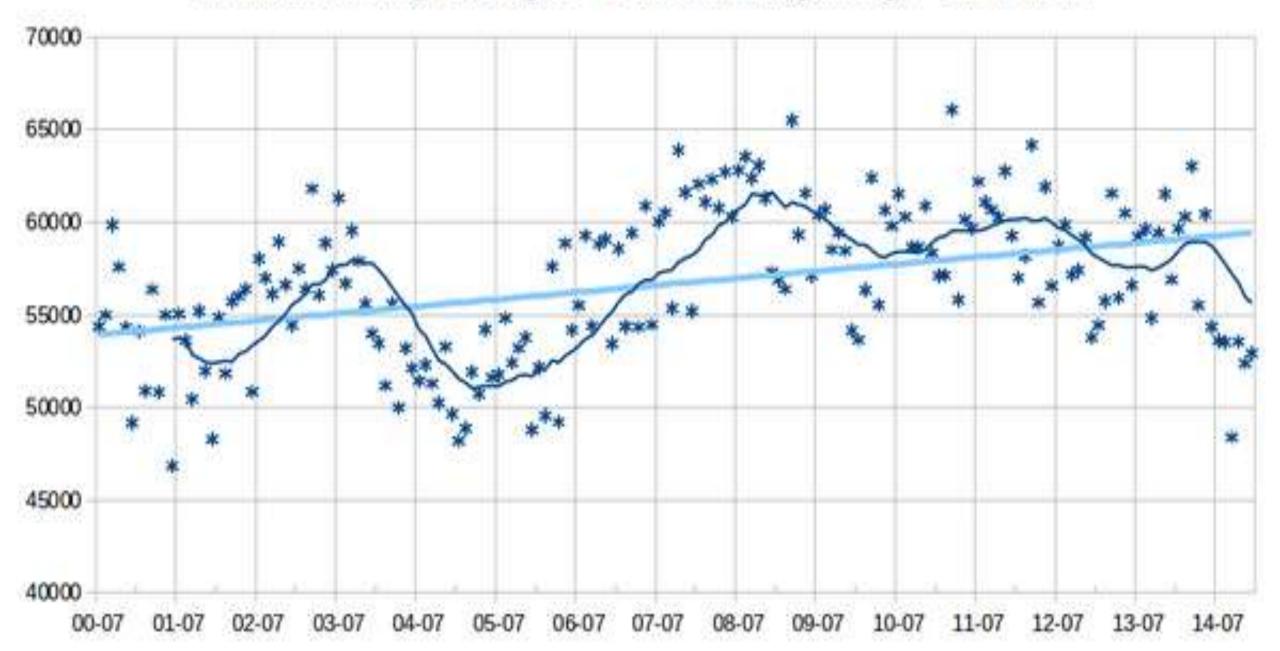
Progressive Passenger Loading on T3 Bankstown Line in AM Peak



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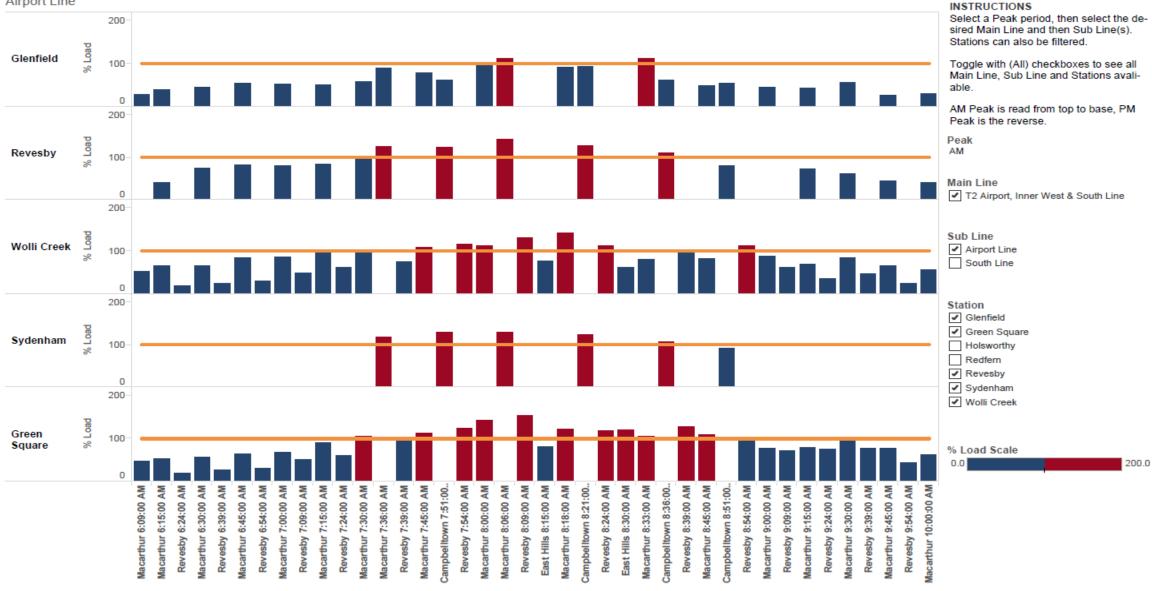
Erskineville Monthly Passengers + 12 Month Moving Average + Linear Trend



Train Loads Survey: March 2015 - By Line

Progressive Passenger Loading on T2 Airport, Inner West & South Line in AM Peak





AM Peak = Origin Station and Central Arrival Time. PM Peak = Destination Station and Central Departure Time

Joint Study on Aviation Capacity in the Sydney Region

- There is already some crowding in the am peak on CBD bound trains.
- Some of these services are already full (but with some standing room available) before they reach the International Terminal.
- This period is also the peak period for passenger arrivals at the airport.
- Based on current growth levels, between 2013 and 2018 all of these CBDbound am peak services will be full unless additional rolling stock and train paths can be allocated to the Airport Rail Link.

Joint Study on Aviation Capacity in the Sydney Region

- There are currently 8 trains per hour in the peak on the Airport Line.
- A sequence of rail projects including the Kingsgrove-Revesby quadruplication, completion of the South West Rail Link and construction of the Revesby turnback will provide capacity for additional services on this line.
- If additional rollingstock is allocated to the line, it is anticipated an additional 4 trains per hour in the peak will commence in 2016 when the South West Rail Link opens.
- This will temporarily relieve crowding in peak periods but in the longer term, additional services will be required



MTR Property & Railway-related business

- The Corporation is involved in a wide range of business activities in Hong Kong in addition to its railway operations. These include
 - the development of residential and commercial property projects,
 - property management,
 - shopping malls
 - leasing and management,
 - advertising media and
 - telecommunication services in trains and stations.

How do we fix this mess?



