

Fixing Melbourne's Transport Now – Putting Customer Service First
Transport for Melbourne
Friday 9th August 2019; 1:00p.m.-4:30p.m.
60 Leicester Street Carlton Near Queen Victoria Market
Melbourne VIC 3000

Improving Public Transport (Buses) in Melbourne – a customer focus

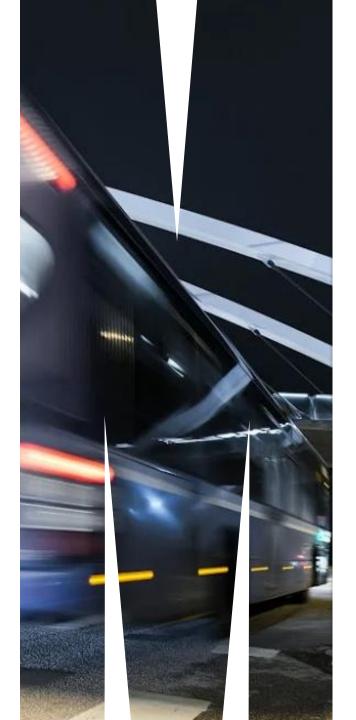
Prof Graham Currie FTSE Public Transport Research Group Institute of Transport Studies Monash University





Institute of Transport Studies (Monash)

HT The Australian Research Council Key Centre in Transport Management





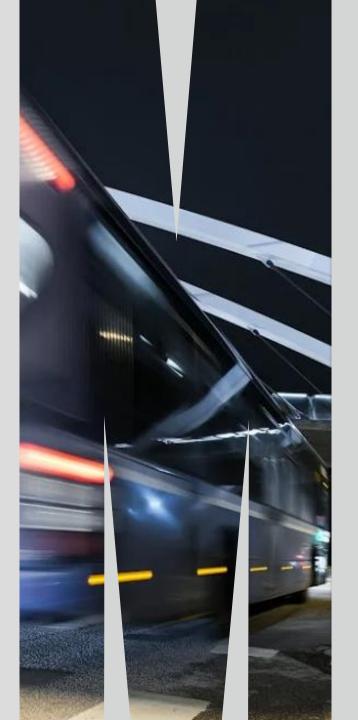
Introduction

What customers want

Buses in Melbourne

Progress

Opportunities



This presentation suggests ways to improve PT (buses) in Melbourne with a focus on customer perspectives ...

Issues Covered

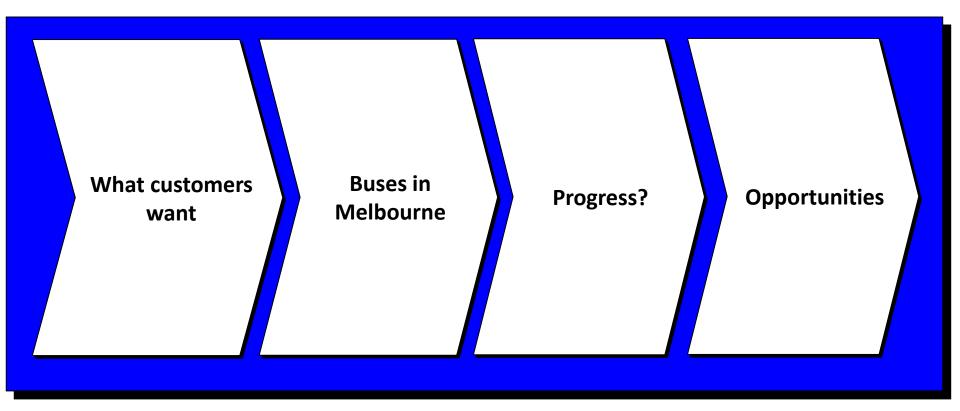
- What do customers want?
- Whats the context for buses
- Whats our progress in improving services
- Opportunities for improvement







...and is structured as follows









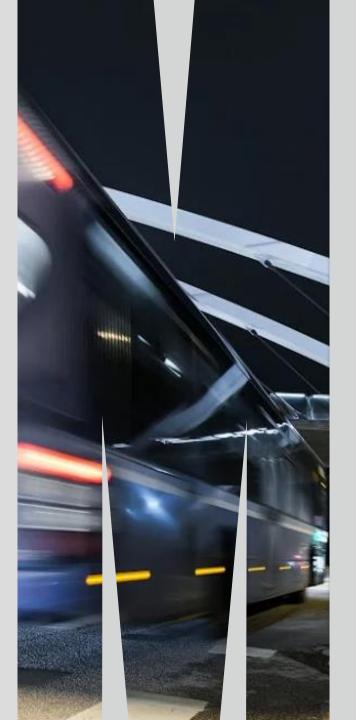
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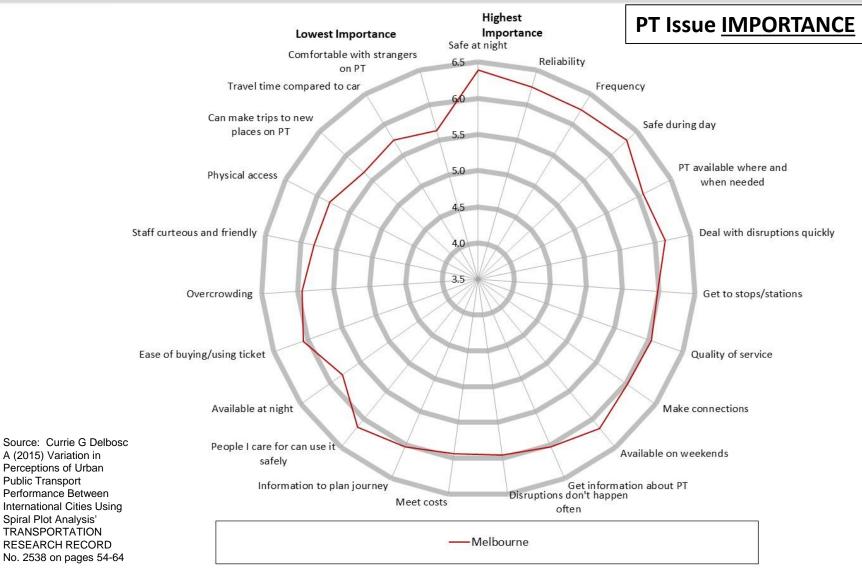
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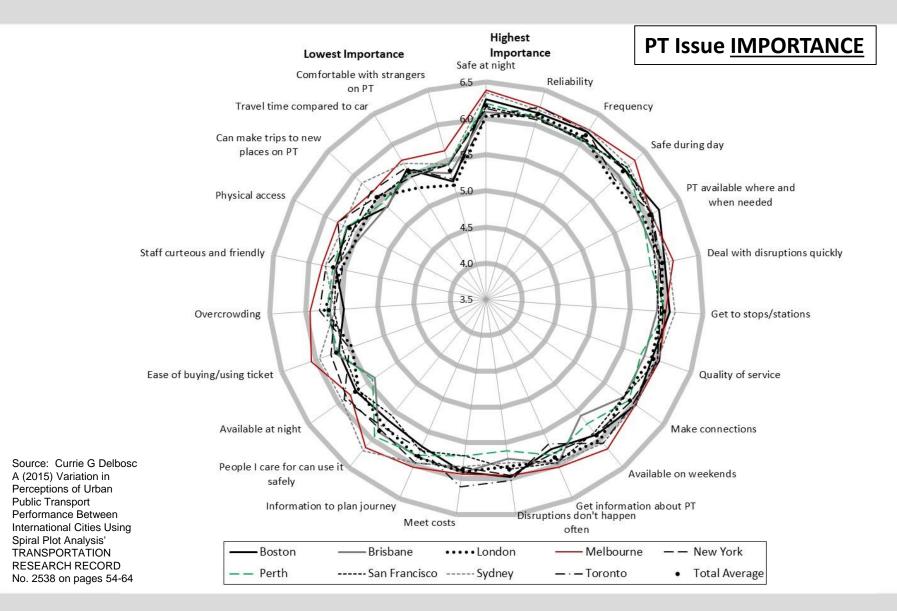
Melbourne thinks Night Safety, Reliability and Frequency are the most IMPORTANT issues in PT...







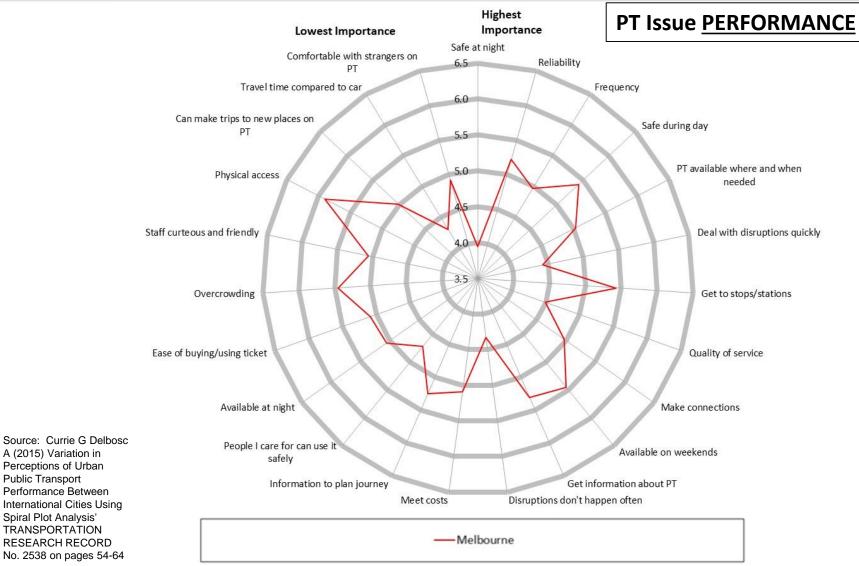
...a view common to most international cities







In PERFORMANCE terms, Melbourne thinks Night Safety is very poor, disruptions, travel time vs car and quality of service are also concerns

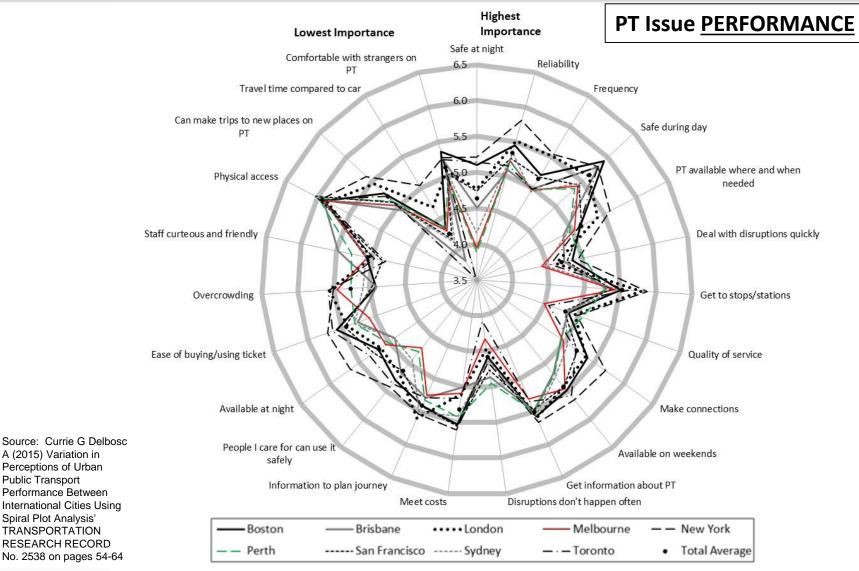




Public Transport



Compared to international cities; Melbournes concern with performance is generally higher for almost all issues





A (2015) Variation in

Public Transport

Spiral Plot Analysis'

TRANSPORTATION



For bus passengers, reliability, coverage and frequency are their biggest concerns

	Improvement Options	Individual Score	Average Score
Reliability	Buses arriving and departing on time	6.22	6.16
	Buses connecting well with other transport services	6.10	
Temporal Service Coverage	Weekend services provided	5.93	5.71
	Buses operating until late at night on weekends	5.49	
Frequency	Buses running more often in peak hours	5.23	5.23
Information	Improved bus service information at stops	5.27	4.90
	Customer information buttons at stops	4.52	
Safety	Safer pedestrian crossings at bus stops	4.85	4.64
	Lighting and video surveillance at bus stops	4.43	
Comfort	Improved shelter and seating at stops	5.06	4.55
	Making it easier to get on and off buses	4.04	
Speed/TT	Bus trips take less time	4.11	4.11
Spatial Service Coverage	Bus services operating closer to home	4.14	3.71
	Buses operating to new destinations	3.27	

Bus Passenger Opinions on Bus Improvement Priorities

Notes: Scores range from 1 to 7

Source: Smart Bus project. Passenger and local community reseearch (YCHM, Nov. 1999)







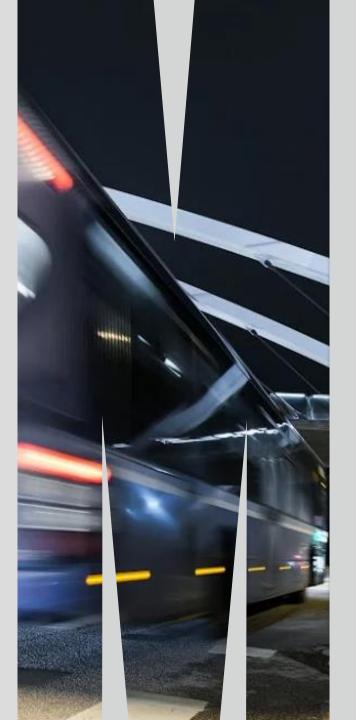
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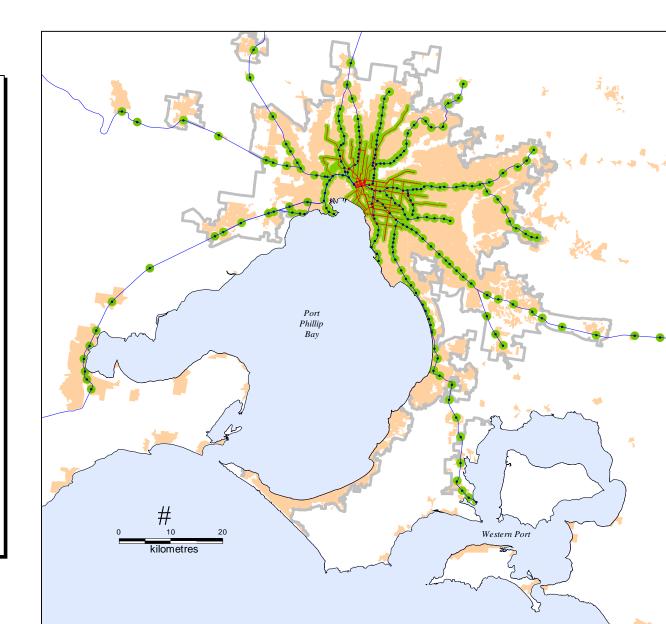
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Buses **ARE** Melbourne's public transport for most residents, which is a problem....

- Over two thirds of Melbourne can only be serviced by bus services since rail and tram services lie considerable distances from where people live or where they want to travel to
- In 1996 the Metropolitan strategy team identified that 2.16M Melbournians lived In areas where buses were bus was the only means of access to public transport. 0.98M lived within access distance of rail services



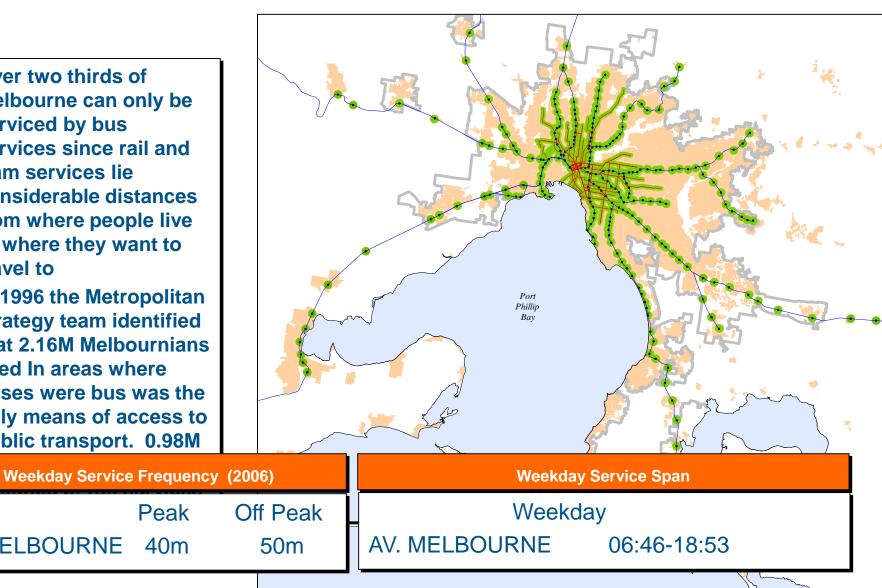
... because there arent many

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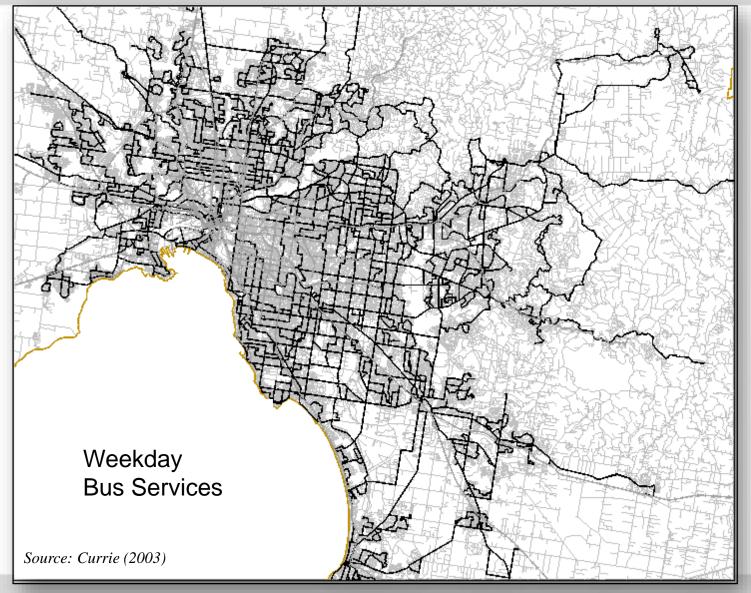
AV. MELBOURNE

Peak

40m



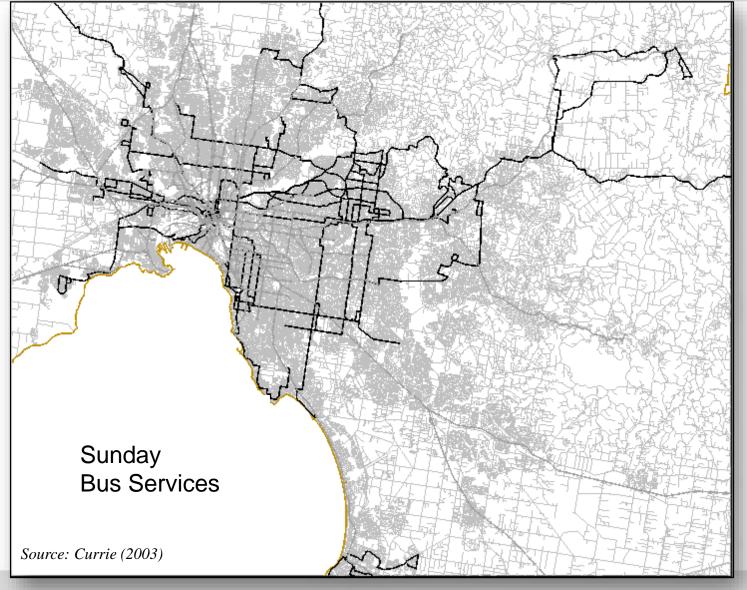
The bus network on weekdays...







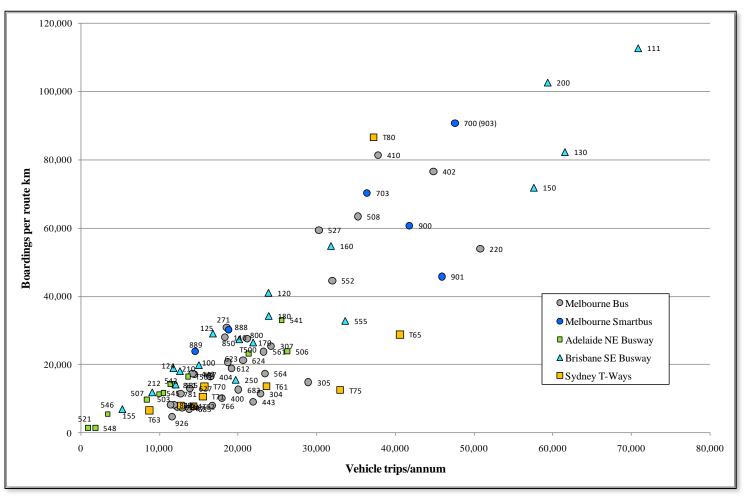
...contrasts somewhat with weekends







Frequency drives Australian ridership performance

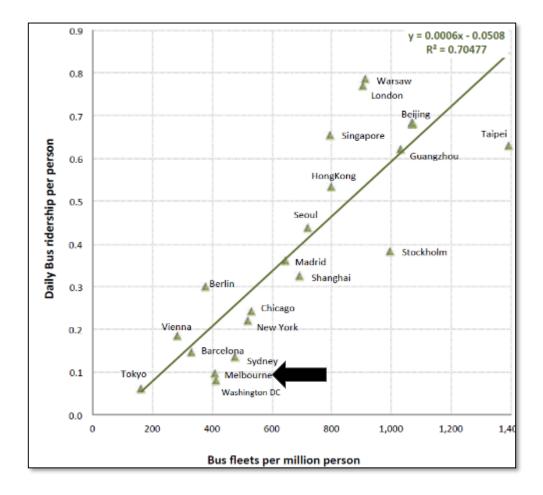


Source: Currie, G. and Delbosc A (2011) 'Understanding bus rapid transit route ridership drivers: An empirical study of Australian BRT systems' TRANSPORT POLICY Volume 18, Issue 5, September 2011, Pages 755-764





In general our bus service level is poor compared to world practice

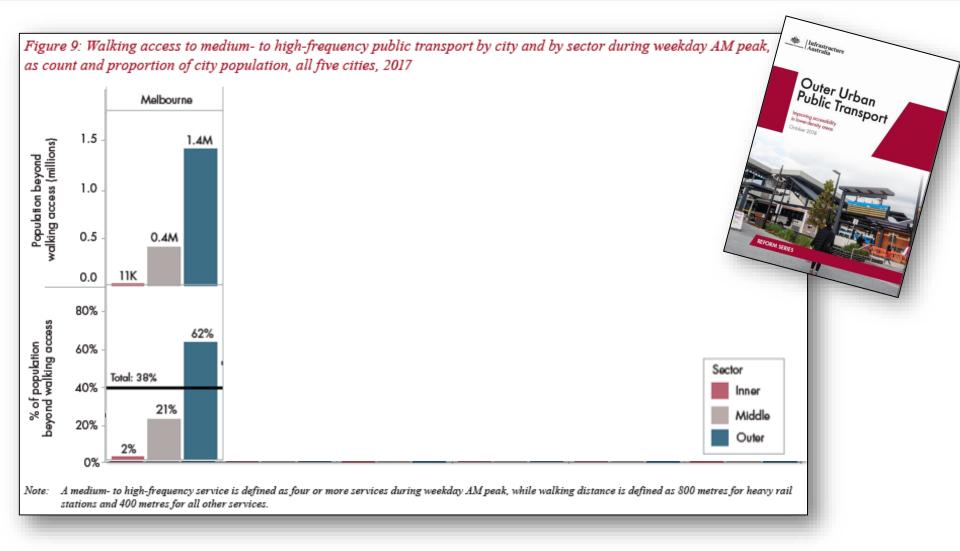


Source: Pan D (2013) 'Key Transport Statistics of World Cities' Journeys Sept 2013





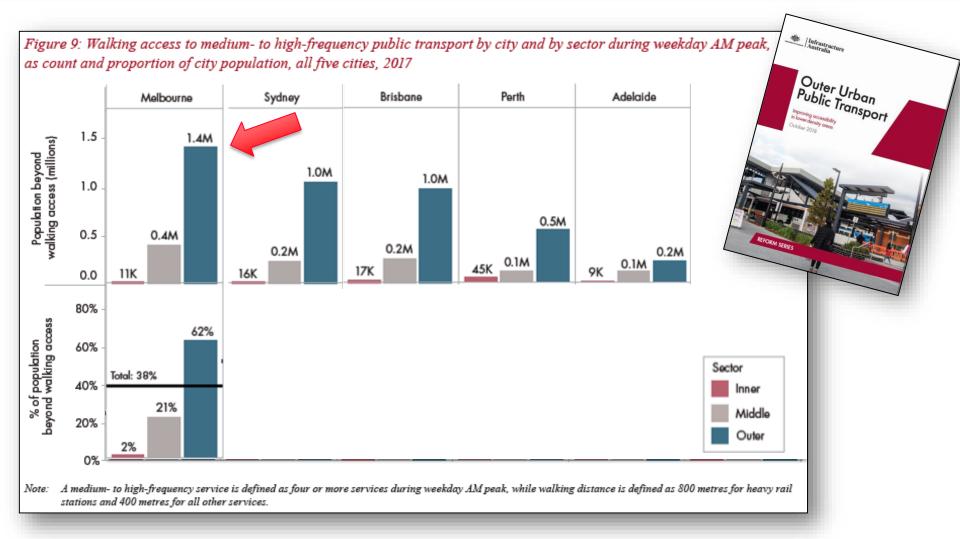
New Data – 1.8M Melbourne residents have no access to high frequency public transport'; 38% of residents, 62% in the outer suburbs







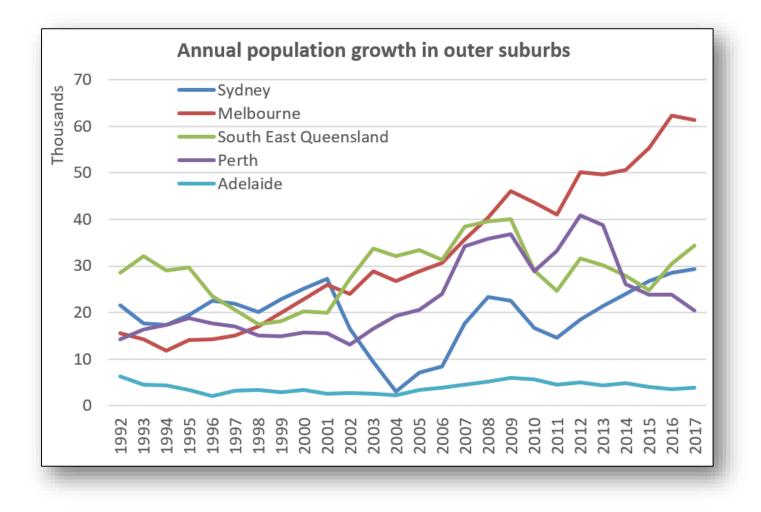
Melbournes gap in PT access, affects 1.4M residents and is the largest problem in Australia







Yet Melbourne outer suburban areas have the highest population growth rate in Australia



Source : Charting Transport (www.chartingtransport.com)







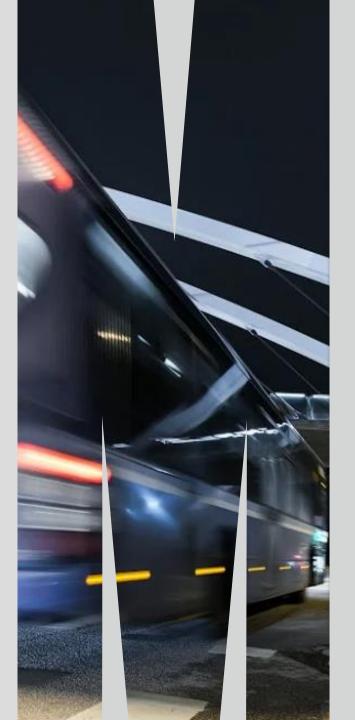
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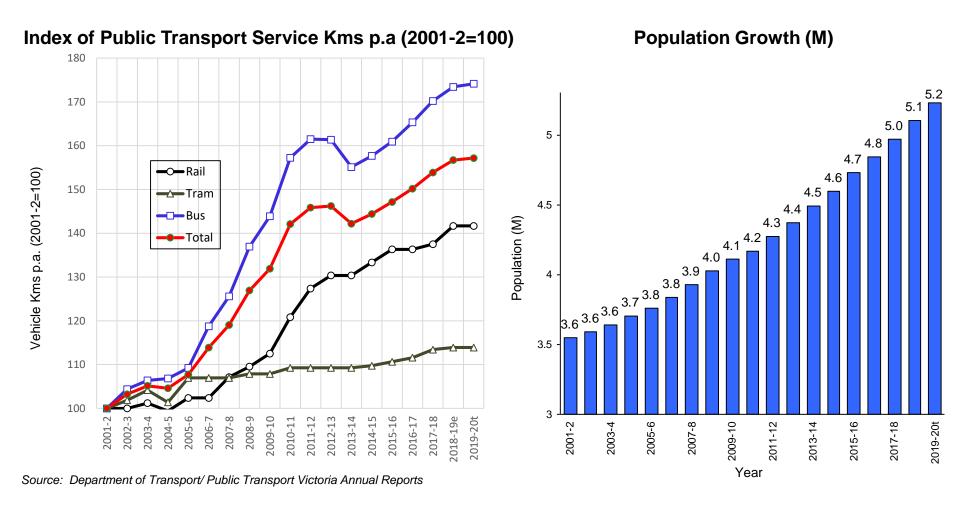
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Since 2001 PT service increased 57% (74% bus/ 42% rail, 14% tram) but - but population growth continues as well...

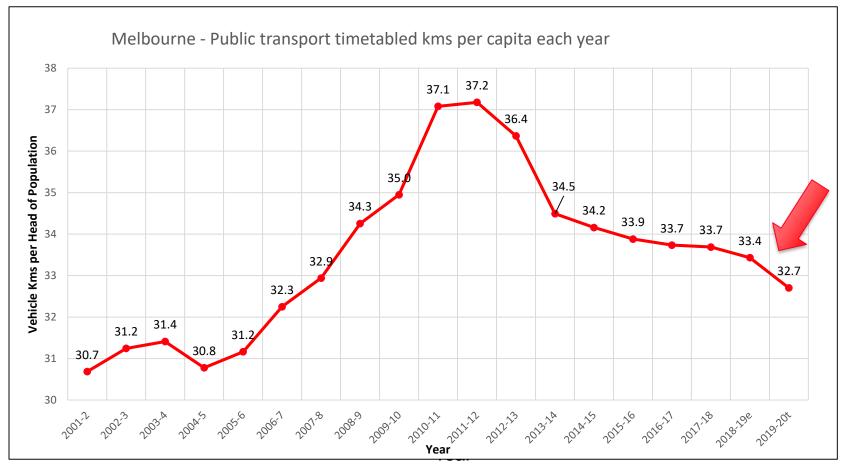






...per person service increased 21% then declined since 2011 (we have declined by 15% points); recent trend is an increasing pace of decline

Relative Service Level Per Head

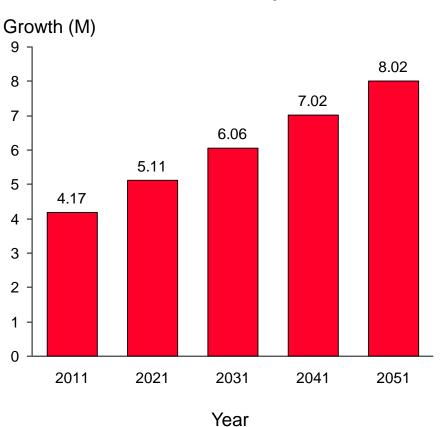


Source: Department of Transport/ Public Transport Victoria Annual Reports



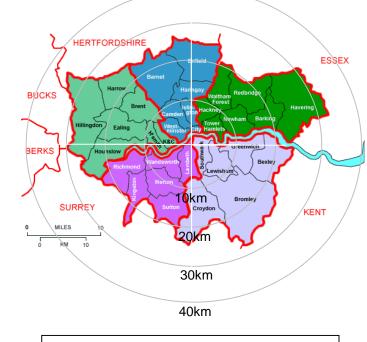


Melbourne is expected to grow to 8M by ~2050; we will be the size of London today in 30 years



Forecast Melbourne Population Growth

Source: Victoria in Future (2016)

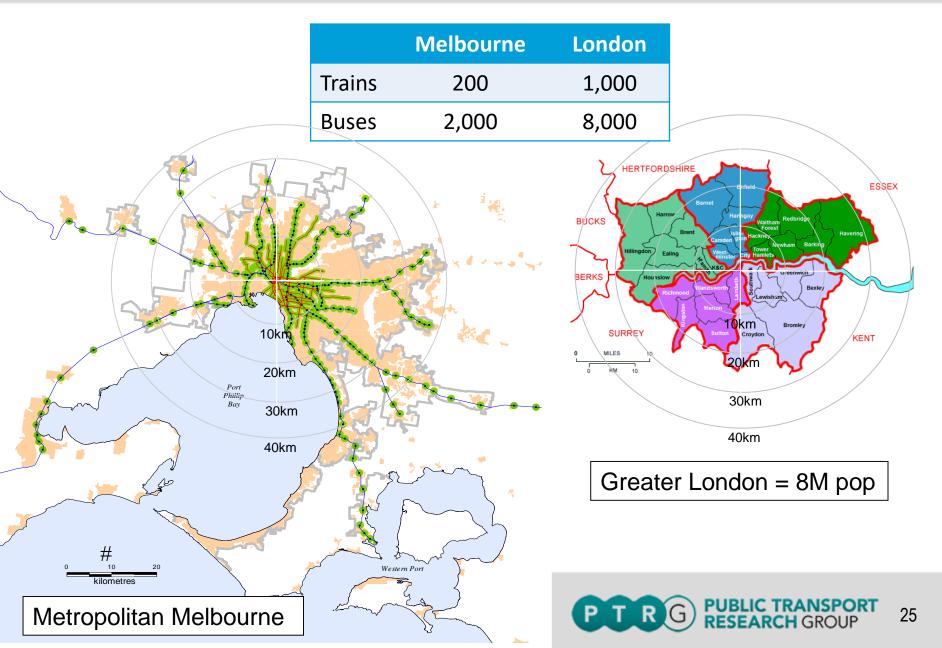


Greater London = 8M pop





So how does Melbourne today shape up to London today? – we have a lot of catch up to do



Where is tram and bus priority? – SmartBus; downgraded?











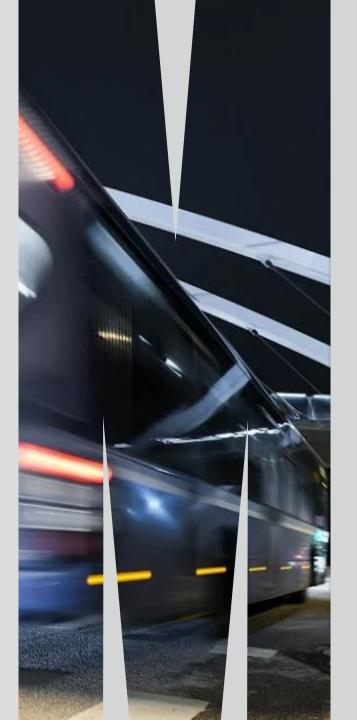
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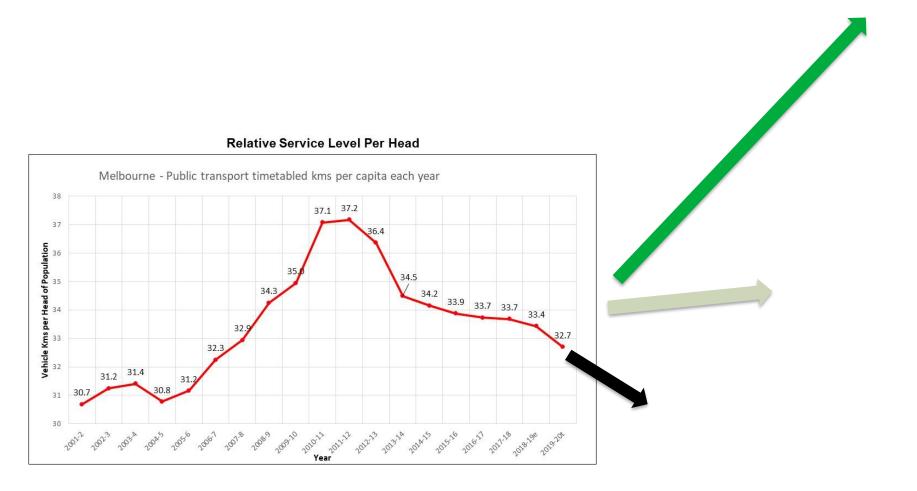
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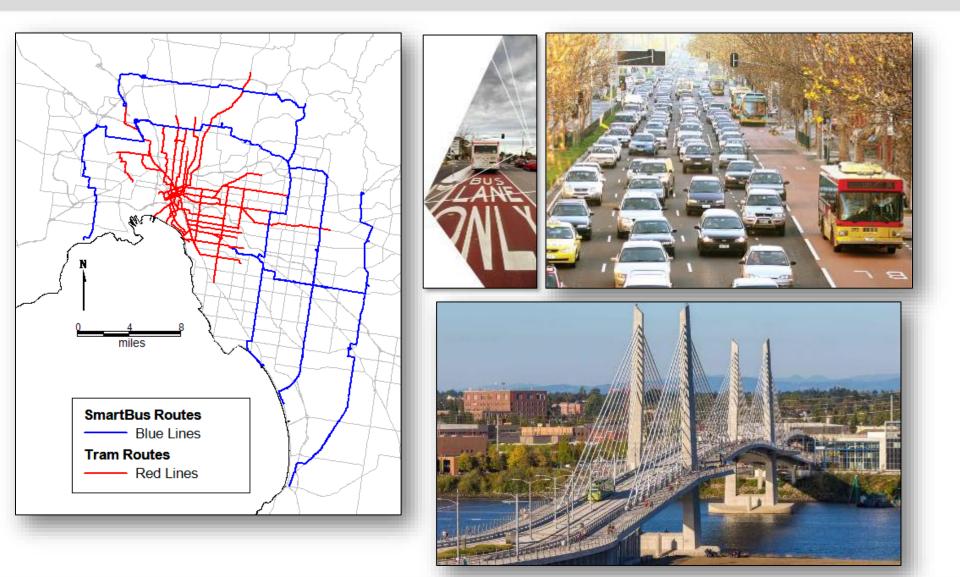
INVEST, INVEST, INVEST, INVEST – SERVICE LEVELS







INVEST, INVEST, INVEST, INVEST – TRAM/BUS RAPID TRANSIT







We need to look out for the Trackless Tram; lots of potential but not yet proven



Source: Prof Graham Currie – July 2019

The Evidence

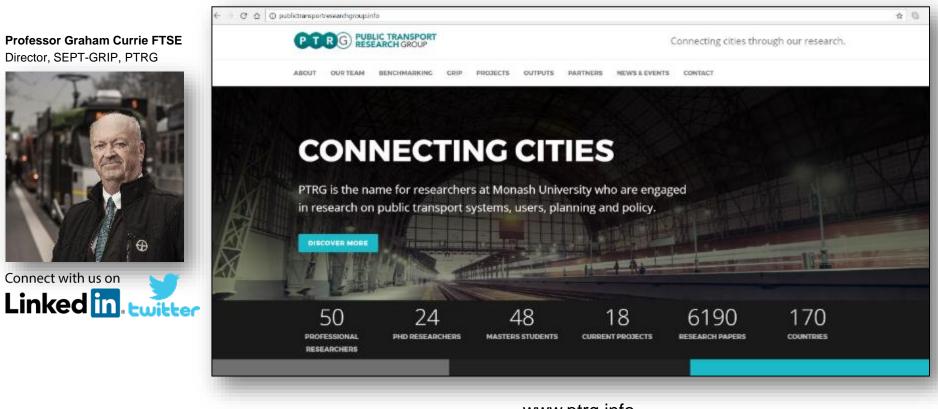
- Much less cost that Light Rail
 - No tracks, no removal of below ground utilities
 - No overheads (batteries)
- Lighter than buses of same size
- LRT ride quality, performance & capacity
- 15km range on a 10 min terminus recharge
- \$2-3M per vehicle (LRV=\$6-9M)
- Deliver a new transit system in <u>3 months</u>

Source: Prof Peter Newman – October 2018





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