



METRONET

ROLLINGSTOCK INDUSTRY BRIEFING

26 October 2017



METRONET

WELCOME

Garry Taylor
Public Transport Authority
Rollingstock Project Director

Welcome

TIME	ACTIVITY
9:00am	Welcome
9:05am	METRONET and Rollingstock overview
9:35am	Session 1: Manufacturer presentations 15-min presentation & 5-min Q&A each
10:35am	Morning Tea
11:00am	Session 2: Manufacturer presentations 15-min presentation & 5-min Q&A each
11:40am	Australasian Railway Association
11:50am	Rail Manufacturing CRC
12:00pm	Depart. Jobs, Tourism, Science & Innovation
12:20pm	Closing and lunch
1:20pm	Networking opportunity

Why we are here

- Introduce the METRONET railcar procurement project to local industry
- Understand the current skills, services and resources that exist in WA to support the localisation of railcar manufacture
- Introduce railcar manufacturers to local industry



METRONET

WELCOME

John O'Hare

Department of Jobs, Tourism, Science and Innovation



METRONET OVERVIEW

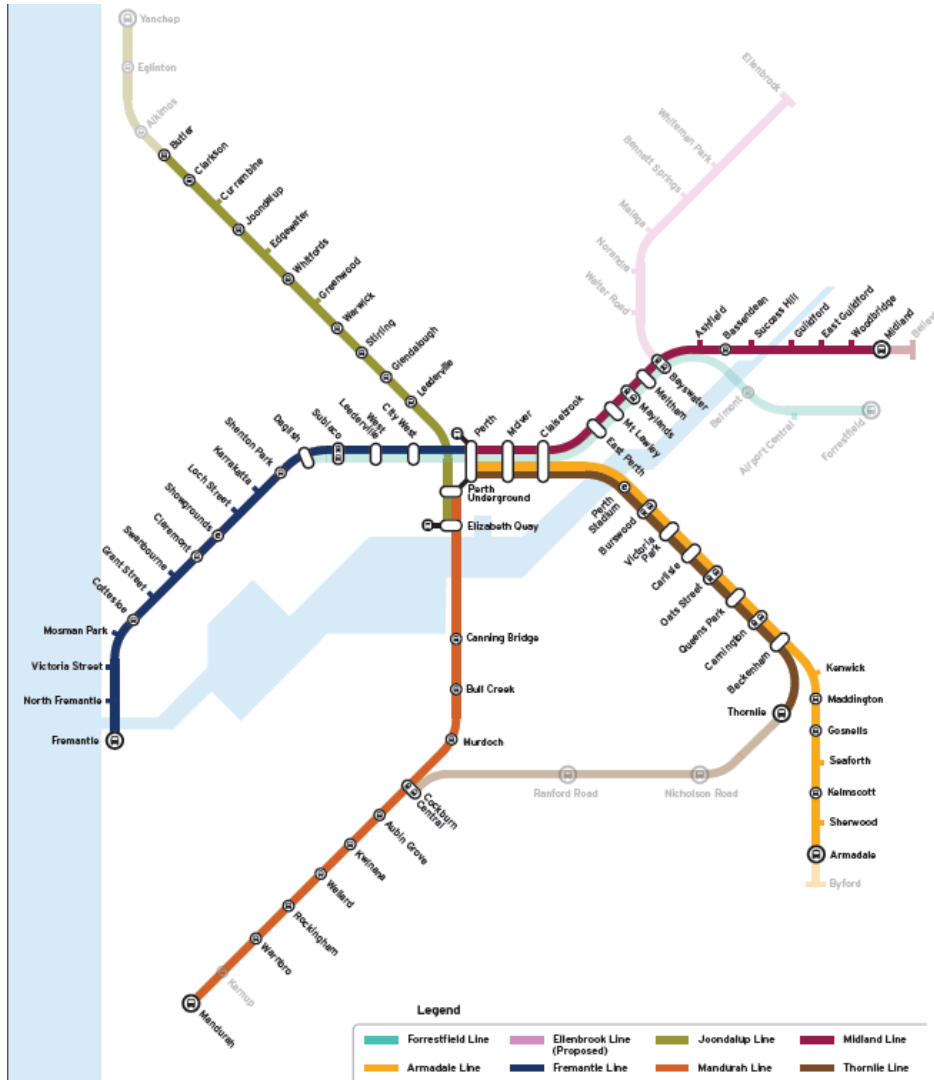
Owen Thomas

Public Transport Authority

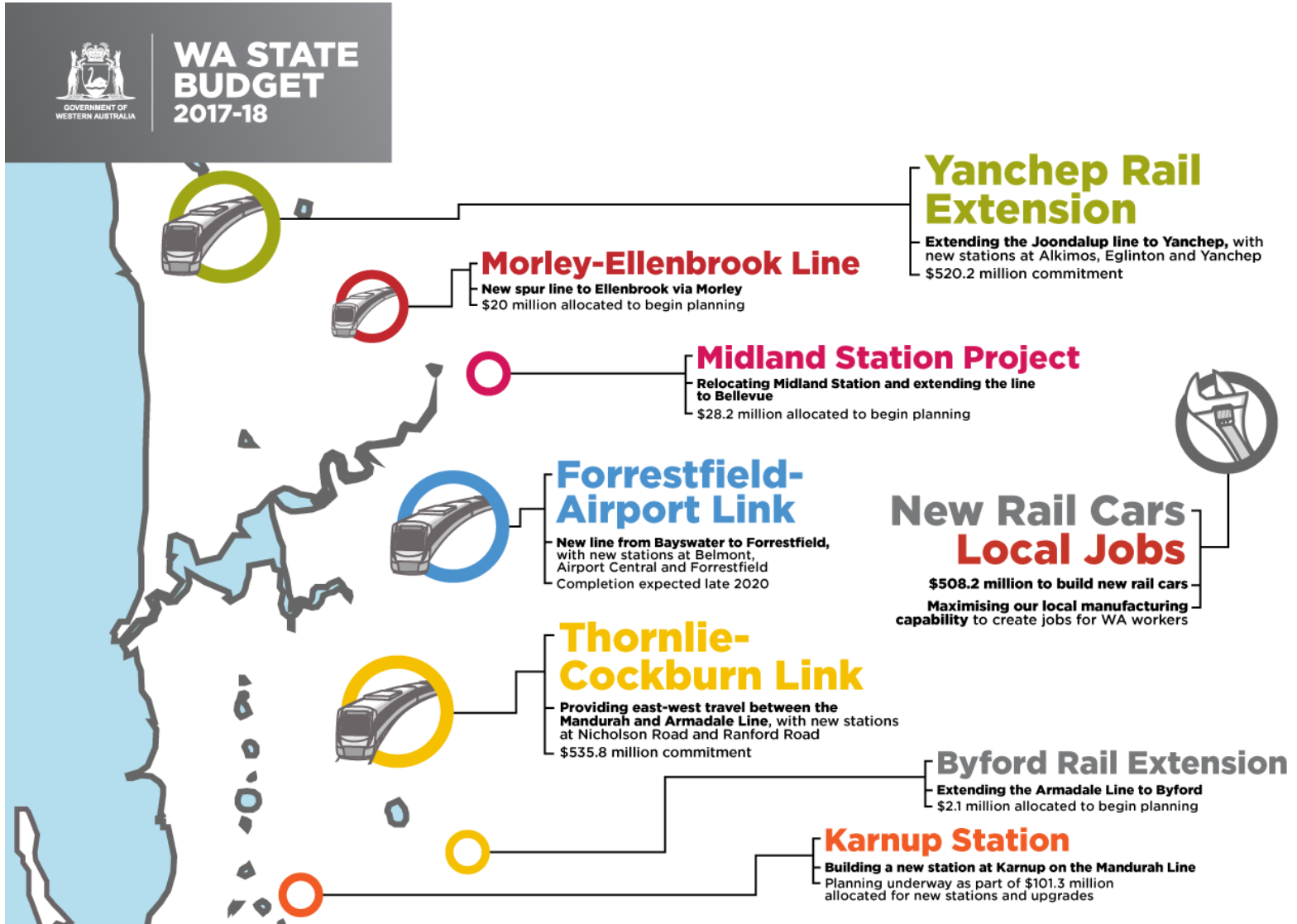
Executive Director, Infrastructure Planning & Land
Services

Overview

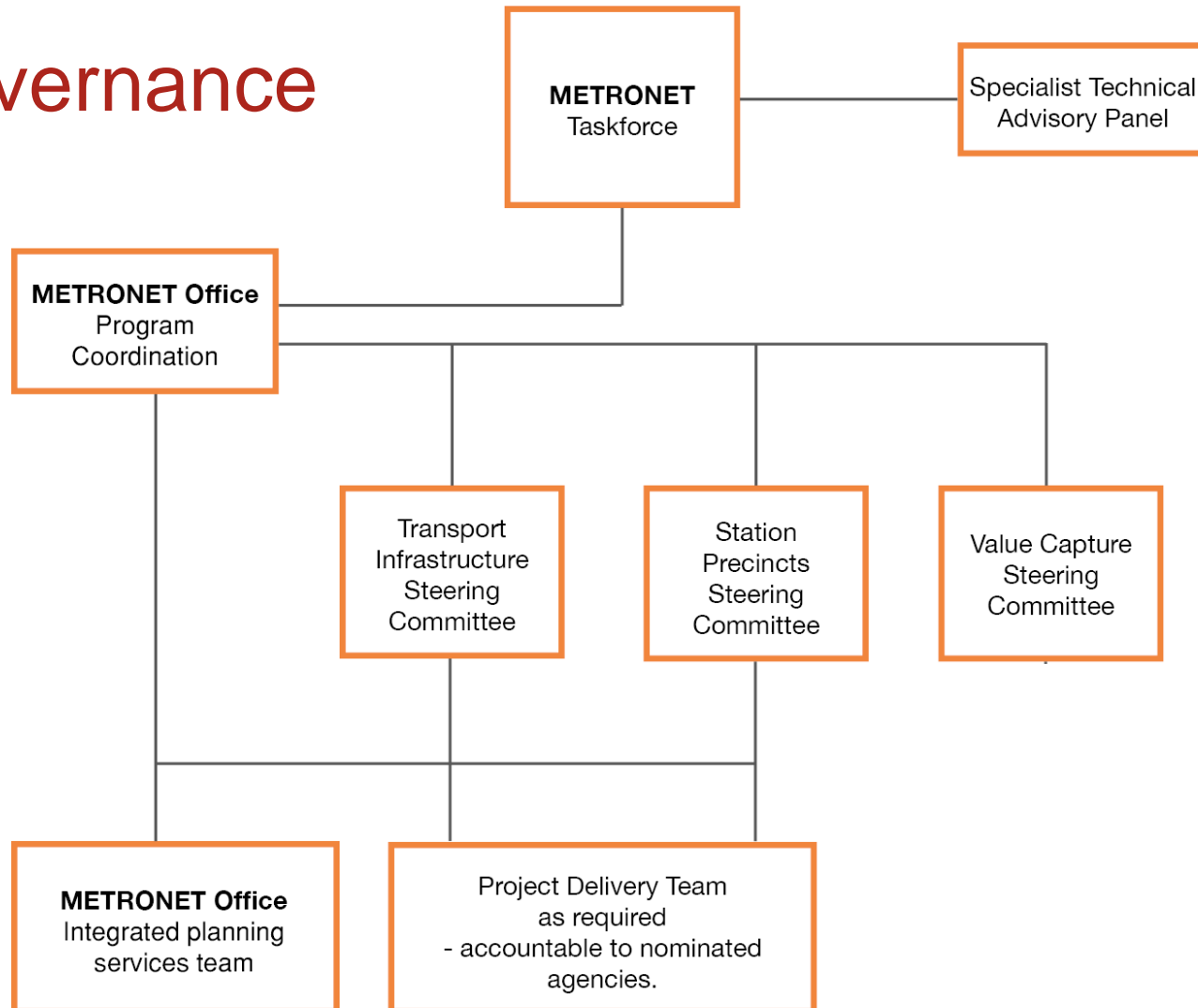
- State Government's long-term public transport plan to:
 - Create connected and vibrant communities
 - Reduce road congestion
 - Act as a vehicle for enhanced land-use planning outcomes.
- Development of projects to the point of Government Investment Decision (i.e. business cases and Project Definition Plans).
- Projects largely handed over to agencies for delivery.
- Ongoing monitoring and oversight of project delivery, particularly with respect to key scope and functionality requirements.



Stage 1 Projects
Complete Forrestfield-Airport Link
Thornlie-Cockburn Link
Yanchep Rail Extension
Morley-Ellenbrook Rail Extension
Byford Rail Extension
Midland Line Rail Extension
New Midland Station
Karnup Station
Level crossing removal project
Rail car procurement



Governance





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ROLLINGSTOCK OVERVIEW

Garry Taylor




Public Transport Authority

Rollingstock Project Director

Existing fleet: A-Series

			
1990-1992	43 x 2 car	A-Series	86
			
1999	5 x 2 car	A-Series	10

Existing fleet: B-Series

			
2004 - 2006	31 x 3 car	B-Series	93
			
2009-2010	15 x 3 car	B-Series	45
			
2013 - 2016	22 x 3 car	B-Series	66

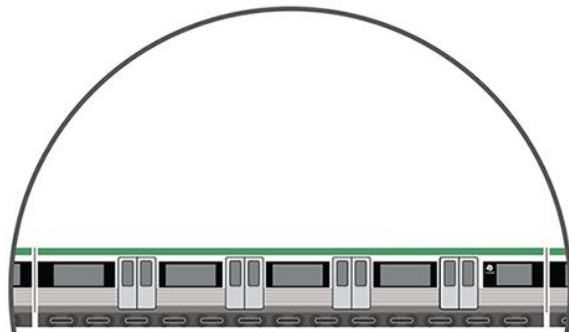
Rollingstock procurement program

- Government has allocated \$322 million between 2017-18 and 2020-21 (and a \$185.5 beyond the forward estimates)
- Purchase 102 new railcars (17 six-car sets) to augment for the existing Transperth fleet
- Target of 50 per cent local content work for manufacturing

Rollingstock requirements

- 102 railcars, configured in fixed six-car sets for METRONET Stage 1
- Designed for high passenger capacity and to reduce station load/unload timing
- Technically ready for next generation of signalling system
- Replacement of Australind (diesel) railcar fleet

Rollingstock design



Up to four doors on each
side of each railcar

THE C-SERIES

Six railcar set

Around 144 metres long

Up to four doors per side per railcar

Regenerative braking

35 year service life



Rollingstock timeframe

- 6 x 6 railcar sets (36 cars) in 2021 (ready for Thornlie-Cockburn and Yanchep)
- 5 x 6 railcar sets (30 cars) in 2022
- 5 x 6 railcar sets (30 cars) in 2023
- 1 x 6 railcar set (6 cars) in 2024
- Followed by A- series replacement

Local manufacturing

- Manufacture and assembly of electrical looms and cabinets
- Assembly of railcar including:
 - Doors, Flooring, Ceiling and walls
 - Electrical equipment installation
 - Bogie and underframe equipment
- Facility to undertake major component changes, overhauls and repairs in the future

Maintenance

- Long term maintenance deal with the railcar manufacturer
- Railcar maintenance facilities located at Bellevue and Nowergup
- Stabling facilities at Bellevue, Nowergup, Claisebrook, Mandurah and Coo loongup

Procurement timeframe and contract

- Shortlisting phase to commence in Q1 2018
- Interactive Tendering phase with shortlisted manufacturers
- Contracts with selected railcar manufacturer to commence Q1 2019
- Supply and Maintenance Contracts to include commitment to agreed Local Industry Participation Plan
- Commitment to be verified throughout Contract life cycles



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SESSION 1: Manufacturer presentations 15-min presentation and 5-min Q&A

Speakers

Session	Speakers
1	Alstom
2	Bombardier Transportation
3	CRRC



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MORNING TEA

RETURN 11:00am



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SESSION 2: Manufacturer presentations 15-min presentation and 5-min Q&A

Speakers

Session	Speakers
1	DOWNER
2	EDI Rail



METRONET

Australasian Railway Association

Natalie Curry

General Manager – Passenger & Industry
Programs



METRONET

Rail Manufacturing CRC

Dr Stuart Thomson
CEO and Managing Director



METRONET

Jobs Bill & Local Capability Fund

Peter Cox & Andrew Griggs

Department of Jobs, Tourism, Science and Innovation



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NEXT STEPS



QUESTIONS AND THANK YOU

More information

E: info@metronet.wa.gov.au

P: 9326 3666

W: metronet.wa.gov.au (to come in late 2017)