

COMPARISON: SYDNEY METRO LINES

	METRO NW/CITY/SW	METRO WSA ¹	METRO WEST ²
OVERVIEW			
Operator	Metro Trains Sydney: MTR, John Holland & UGL Rail	Parklife Metro: Plenary Group, Webuild, RATP Dev & Siemens Mobility	Unknown – PPP contracts yet to be let
Opening year(s)	2019, 2024/25	2026	2030
Line length – initial	66 km (when fully open)	23 km	24 km
Termini – initial	Northwest: Tallawong, Southwest: Bankstown	North: St Marys South: Bradfield	West: Westmead East: Hunter Street
No. stations/new stations	31 – 15 new	6 – all new	9 – all new
Average gap between stations	2.2 km (NW – 3.0 km, City/SW – 1.8 km)	4.6 km	3.0 km
No. interchanges (rail & light rail)	6 Sydney Trains, 2 Sydney Light Rail	1 Sydney Trains	4 Sydney Trains 3 Parramatta Light Rail 2 Sydney Light Rail
Existing track conversion	Yes – 26 km	No	No
EXPANSION POTENTIAL³			
Line length – max. potential (approx.)	75 km	75 km	65 km
Termini - potential	Northwest: Schofields or Tallawong Southwest: Liverpool	North: Schofields or Tallawong South: Macarthur Southeast: Glenfield	Southwest: WS Airport or Bradfield Southeast: La Perouse
No. potential <u>additional</u> interchanges (rail, light rail, metro)	2 Sydney Trains 1 Metro WSA 1 Metro West	3 Sydney Trains 1 Metro NW/City/SW 1 Metro West	1 Metro NW/City/SW 1 Metro WSA 1 Sydney Light Rail
Potential track conversion	No	Yes – 11 km	Unlikely
TECHNICAL			
Rolling stock supplier/model	Alstom/Metropolis	Siemens (tbc)/Unknown	Unknown
Train type/track gauge	Automated driverless single-deck metro/ 1,435 mm (standard gauge)		
Power supply	1,500 V DC	25 kV 50 Hz AC	Unknown
No. trains (initial)	45	12	Unknown
No. cars per train (initial/potential)	6 cars/8 cars	3 cars/4 cars	8 cars (tbc)/unknown
Car width/doors per side	Standard/3	Wide (tbc)/ 3+ (tbc)	Standard (tbc)/ 3
Max. train capacity (initial/potential – approx.)	1,100/1,500	645 (tbc)/860 (tbc)	1,500 (tbc)/unknown
OPERATIONAL			
Average Speed	50 km/h (NW – 60 km/h, City/SW – est. 42 km/h)	65 km/h (est.)	72 km/h (est.)
Initial peak frequency/hour	15 (every 4 mins)	12 (every 5 mins)	15 (every 4 mins)
Initial peak capacity/hour	16,500	7,750	22,500
Potential peak frequency/hr	30 (every 2 minutes)	30 (every 2 minutes – tbc)	30 (every 2 minutes)
Potential peak capacity/hour	45,000+	26,000	45,000+

Notes:

1. Metro WSA rolling stock specifications subject to development and approval of Parklife Metro designs.
2. Metro West rolling stock specifications subject to the approval of designs to be developed and submitted by operator (yet to be selected).
3. Expansion Potential is speculative and based on long-term Sydney Metro plans relating to these lines which may be changed or abandoned. Suggested distances are indicative and will vary based on final route selection.

tbc To be confirmed.

Sources: Various, including Transport for NSW, Sydney Metro, Infrastructure NSW, Infrastructure Australia, Alstom Australia, Australia New Zealand Infrastructure Pipeline, Railpage, Wikipedia.

Prepared by Alex Gooding 2023