COMPARISON: MONTREAL REM AND SYDNEY METRO

	MONTREAL: RÉSEAU EXPRESS MÉTROPOLITAIN (REM)	SYDNEY: SYDNEY METRO	
PROJECT OVERVIEW			
Owner	CDPQ Infra	NSW Government (Transport for NSW)	
Operator	SNC-Lavalin-Alstom	Metro Trains Sydney: MTR, John	
		Holland & UGL Rail	
Line length/no. branches	67 km / 4 branches	66 km / no branches	
Opening	2021: Rive-Sud-Central Station	2019: Tallawong-Chatswood (open)	
	2022: Central Station-Du Ruisseau	2024: Chatswood-Bankstown	
	2023: Remainder of system		
Termini	Northwest: Deux-Montagnes, West:	Northwest: Tallawong, Southwest:	
	Sainte-Anne-de-Bellevue, Southwest: Airport, Southeast: Rive-Sud	Bankstown	
Estimated total cost	CA\$6.5 billion	AU\$19.8-20.8 billion+	
CONSTRUCTION	Ci (ÇO.3 Sillion	7.00 20.0 Million	
Key construction elements	New and upgraded surface track, tunnels and stations, new viaducts/bridges		
Track gauge/ electrification	1,435 mm (standard gauge) / Overhead 1500 VDC		
Compatible existing lines	No		
Existing track conversion/%	30km / 45%	26km / 39%	
Tunnel type & lengths/%	New 3.5 km, upgrade 5km, total	New 30km, upgrade 13km, total	
	8.5km/13%	43km/65%	
No. stations/underground/	26 (12 new) / 5 / 5 / 2.4km (Rive-Sud to	31 (15 new) / 14 / 2 / 2.2km	
elevated/average spacing	Deux Montagnes)		
No. rail interchanges	4 (2 Metro, 1 Exo, 1 Metro & Exo)	8 (6 Sydney Trains, 2 light rail)	
Platform length/doors	80m / Yes	Avg 170m / Yes	
Expansion options	Extensions being considered: Laval	Planned new line: Metro West:	
	branch, Chambly extension, Dorval	Westmead – Sydney CBD	
ROLLING STOCK	extension/station, East Island Line (new)		
Company/model/country of Alstom Metropolis / India			
manufacture	Additive topolis / India		
Control/max. speed	Automatic (driverless) / 100km/h		
No. cars/trains	212 cars/106 trains (2-car configuration)	270 cars/45 trains (6-car configuration)	
No. cars per train/length	2 (off-peak) or 4 cars (peak)/38 or 76 m	6 cars/120 m (est). Future 8 cars/160 m	
Max. train capacity ¹	2-car: 390 (4-car: 780)	6-car: 1,100 (8-car: 1,540)	
No. seats car/train (avg)	32 / 2-car: 64 (4-car: 128)	63 / 6-car: 378 (8-car: 504)	
Seating style/no. doors	Longitudinal seating / 6 doors per car (3 per side)		
Other features	Spaces for wheelchairs, prams, bicycles	Spaces for wheelchairs, prams, bicycles	
	and luggage, real time info displays,	and luggage, real time info displays,	
	phone coverage, A/C, heated floors, LED	phone coverage, A/C, LED lighting, CCTV	
	lighting, wi-fi, CCTV, capacity indicators,		
ODERATION	snow and ice protection		
OPERATION Average speed	56km/h	50km/h	
Initial frequency off-	4-24 trains/hr (15-2.5 mins)	6-15 trains/hr (10-4 mins)	
peak/peak (per hour) ²	7 27 (Idins/III (15-2.5 Illins)	0 13 Gains/III (10-4 IIIIIs)	
Projected max frequency ^{2,3}	40 trains/hr (1.5 mins – 4-car))	30 trains/hr (2 mins – 8-car)	
Est. max. capacity (peak)	18,720/hr (4-car – 24 trains/hr)	16,500 (6-car – 15 trains/hr)	
initial/projected ³	31,200/hr (4-car – 40 trains/hr)	46,200 (8-car – 30 trains/hr)	
Est. seat capacity (peak)	3,072 (4-car – 24 trains hr)	5,670 (6-car – 15 trains/hr)	
initial/projected ³	5,120 (4-car – 40 trains/hr)	15,120 (8-car – 30 trains/hr)	
Notas: 1 Each system may have	a used different approaches to calculating maxim	um agriga a Itrain agnacitu	

Notes: 1. Each system may have used different approaches to calculating maximum carriage/train capacity.

- 2. Frequencies may vary in operation and from section to section of each system.
- 3. Projected maximum peak hour frequencies and capacities are theoretical and may never be achieved.