



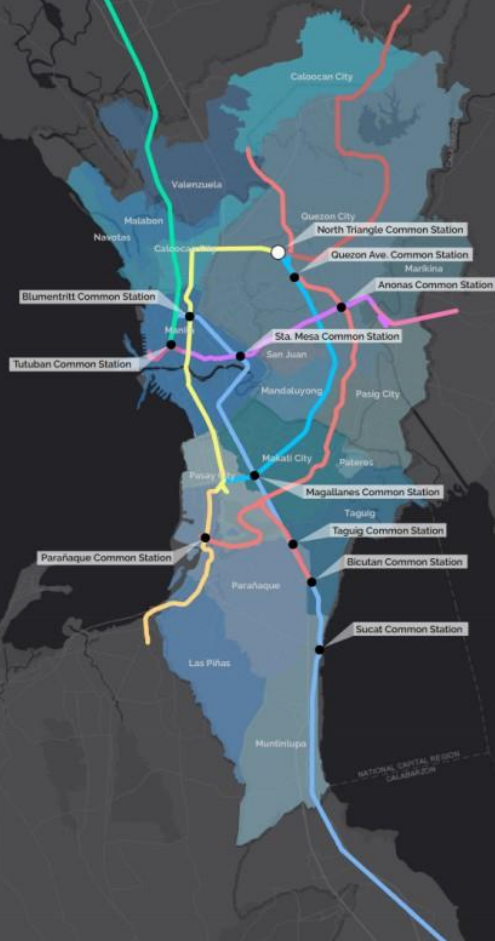
PPPs in the Philippine Rail Sector

APN Conference
6 November 2019

MANILA METRO RAIL NETWORK

DEPARTMENT OF TRANSPORTATION

- LRT 1
- LRT 1 Ext.
- LRT 2
- LRT 2 East Ext.
- LRT 2 West Ext.
- MRT 3
- MRT 7
- Subway (MMSP/ Line 9)
- PNR Clark 1 (NSCR/ North 1)
- PNR Calamba (NSCR Ext./ South Commuter)
- Unified Grand Central Station



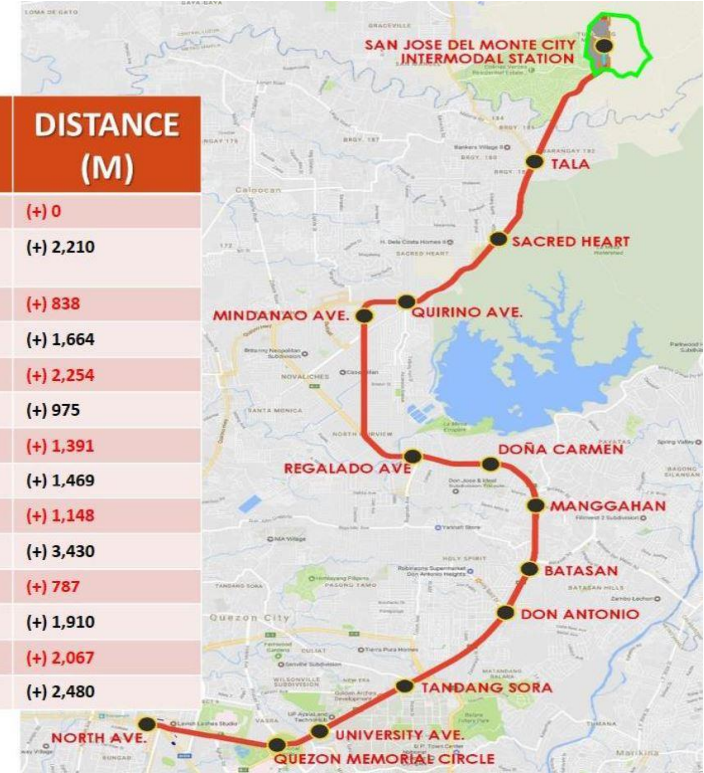
	Route Length (km.)		No. of Stations		No. of Trains (LRVs/bagons/coaches)		Ridership (daily '000)		Status
	2016	2022 ¹	2016	2022 ¹	2016	2022 ¹	2016	2022 ¹	
LRT-1 w/ Cavite Ext.	18	30	19	28 ³	77	180	400	800	Start of construction in May 2019; Partial Operations (PO) in 2021
LRT-2 w/ East & West Ext.	14	21	10	15	40	112	180	300	East Ext. operational in 2020
MRT-3	17	17	13	14 ³	72	120	370	1,000	Start of rehabilitation works in May 2019; completion in July 2021
PNR At-Grade	28	60 ²	17	29 ²	32	69	70	120	New Indonesian trains arriving between August 2019 to June 2020
MRT-7	-	23	-	14	-	108	-	300	Partial Operations in 2021 (18-km.)
MM Subway	-	36	-	16 ⁴	-	240	-	165	Start of works for PO section in Feb. 2019 (7-km.)
Subic-Clark Rail	-	70	-	N/A	-	N/A	-	N/A	Operational by 2022
PNR Clark, Calamba	-	148	-	37	-	464	-	356	Start of construction for Phase 1 in Feb.2019; PO in 2021
SUB-TOTAL (GCR)	77	405	59	153	221	1,293	1,020	3,041	
PNR Bicol	-	639	-	8*	-	80*	-	100*	Ongoing design works.
Mindanao Rail 1	-	100	-	8	-	52	-	120	Start procurement in 4Q2019
TOTAL	77	1,144	59	169	221	1,425	1,020	3,261	

¹Partial operations and ongoing construction; ²Currently operational (+Gov. Pascual-FTI +Alabang-Calamba); ³Inclusive of North Ave. Common Station; ⁴Inclusive of Bicutan Common Station

MRT Line 7: Unsolicited PPP

Contractual Scheme	Build-Gradual Transfer-Operate-Maintain and Manage (BGTOM)
Description	<ul style="list-style-type: none"> ✓ 23-kilometer Metro Rail Transit System with 14 stations, including depot and rolling stock ✓ Highway ✓ Intermodal Transportation Terminal
Project Cost	USD 1.54 B
Principal Undertakings	<ul style="list-style-type: none"> ✓ Finance the Project ✓ Design and construct Civil Works, E&M systems ✓ Operate, maintain and manage
Concession Period	25 years
Contractor	San Miguel Corporation
Construction Timeline	Start: 1Q 2016 End: 4Q 2021
Payment Mechanism	Amortization Payments Fare Revenue Sharing
Capacity	300-800,000 passengers daily

STATION	DISTANCE (M)
NORTH AVENUE	(+) 0
QUEZON MEMORIAL CIRCLE	(+) 2,210
UNIVERSITY AVENUE	(+) 838
TANDANG SORA	(+) 1,664
DON ANTONIO	(+) 2,254
BATASAN	(+) 975
MANGGAHAN	(+) 1,391
DONA CARMEN	(+) 1,469
REGALADO AVENUE	(+) 1,148
MINDANAO AVENUE	(+) 3,430
QUIRINO AVENUE	(+) 787
SACRED HEART	(+) 1,910
TALA	(+) 2,067
SAN JOSE DEL MONTE	(+) 2,480



LRT1 O&M and Cavite Extension: Hybrid PPP

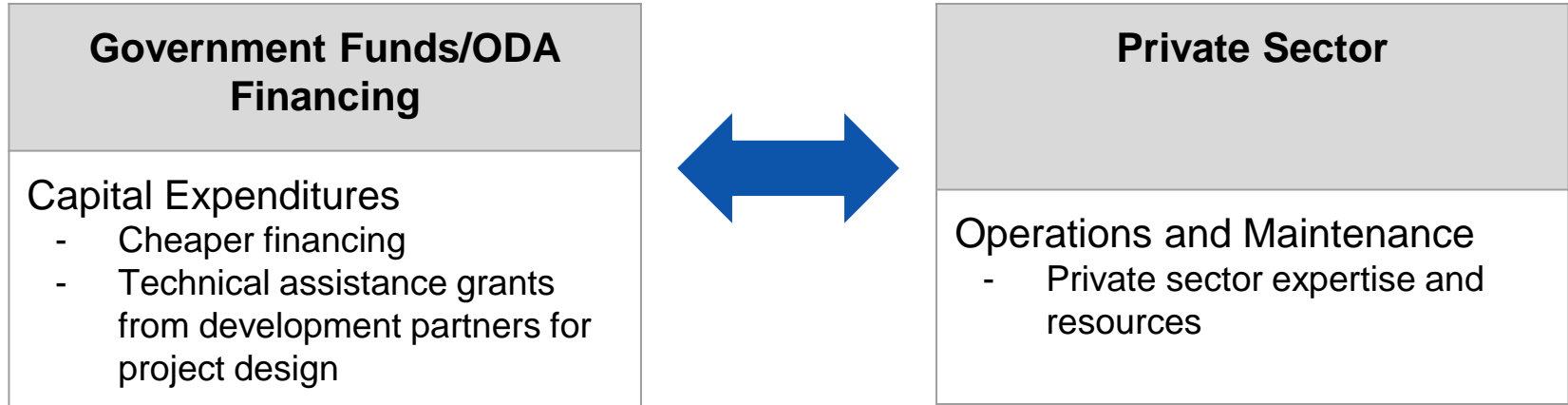
Description	<ul style="list-style-type: none"> ✓ 11.7-km extension of LRT Line 1 ✓ 120 Additional LRVs
Project Cost	USD 1.3 B (790 M for PPP, 510 M for GOP)
Construction Timeline	Start: 2Q 2019 Partial Operability: 4Q 2021 Full Completion: 2023
Capacity	300,000 to 500,000 riders per day



Components	<u>PPP</u> <u>(Light Rail Manila Corporation)</u>	<u>Official Development Assistance (JICA)</u>	<u>Government of the Philippines (DOTr and LRTA)</u>
	<ul style="list-style-type: none"> ✓ Operation and Maintenance of the System ✓ Design, engineering, and construction of the Cavite Extension <p>Scheme: Build-Transfer-Operate Concession Period: 32 Years Payment mechanism:</p> <ul style="list-style-type: none"> - Fare Revenues - Balancing Payments 	<ul style="list-style-type: none"> ✓ 120 Additional LRVs ✓ Satellite Depot and Expansion of Existing Depot 	<ul style="list-style-type: none"> ✓ Right-of-Way Acquisition

Hybrid PPP as New Policy Direction

Currently being implemented for the North-South Commuter Railway Project and Metro Manila Subway Project



Key Considerations:

1. Proper allocation of risks
2. Attractiveness to the Private Sector
3. PPP innovation



Thank you!

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