

Measure M Independent Taxpayer Oversight Committee

Enterprise Transit Asset Management
State of Good Repair



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Transit Asset Management (TAM)

“TAM is a business model that uses condition of assets to guide optimal prioritization of funding at transit properties in order to keep our transit networks in a State of Good Repair” --- FTA

Per FTA’s TAM Rulemaking – A Capital Asset is in a State Of Good Repair if it meets the following Objective Standards:

- The capital asset is able to perform its designed function;
- The use of the asset in its current condition does not pose an identified unacceptable safety risk; and
- The life-cycle investment needs of the asset have been met or recovered, including all scheduled maintenance, rehabilitation, and replacements.

Metro’s TAM Policy Defines

SGR asset: one that is currently in use in operation and its rehabilitation or replacement needs shall be included in the asset inventory.

SGR capital project involves rehabilitating or replacing an existing asset. *Excluded from this definition are capital projects for capacity enhancements or expansions to existing projects or new services.*



TAM Inventory Database Overview

Asset Database Statistics – as of Nov. 2020 NTD update

28,307 asset records tracking over 520,000 assets

\$26.7 B SGR needs over 40 years (FY21\$)

\$19.2B Asset Replacement Value (FY20\$)

\$2.7B Current Backlog (FY20\$)

- Reported updated data into National Transit Database (NTD) 11/6/2020 - on time
- Next NTD update due is October 31, 2021
- Inventory \$19.2B – Will be updated after validation of data received for close of FY21
- Backlog: Assets overdue for replacement or rehabilitation



Federal Transit Administration (FTA) Reporting Requirements FY20

FTA TAM Performance Measures / Targets				Based on FY20 Census Date (6/30/2020)			
Asset Class	On 6/30/2020	Performance Measure based on 49 CFR Part 625	FY21 Target (reported to FTA)	Total Asset Count	Exceeded ULB	Average Age	
Rolling Stock	Articulated Bus (AB)	80.00%	625.43(b): Rolling stock. The performance measure for rolling stock is the percentage of revenue vehicles within a particular asset class that have either met or exceeded their useful life benchmark.	46.59%	370	296	11.3
	Bus (BU)	16.26%		15.12%	2,177	354	8.1
	Heavy Rail Vehicles (HR)	0.00%		0.00%	102	0	23.5
	Light Rail Vehicles (LR)	0.00%		0.00%	302	0	7.8
Equipment	Automobiles	25.63%	625.43(a): Equipment: (non-revenue) service vehicles. The performance measure for non-revenue, support-service and maintenance vehicles equipment is the percentage of those vehicles that have either met or exceeded their useful life benchmark.	25.47%	480	123	6.4
	Trucks and Other Rubber Tire Vehicles*	38.71%		37.41%	961	372	9.2
	Steel Wheel Vehicles**	25.00%		20.00%	8	2	8.6
Facilities	Asset Class	On 6/30/2020	Performance Measure based on 49 CFR Part 625	FY21 Target (reported to FTA)	Total Asset Count	Locations Below TERM Condition 3	
	Passenger Facilities (Stations & Parking)	0.00%	625.43(d): Facilities. The performance measure for facilities is the percentage of facilities within an asset class, rated below condition 3 on the TERM scale.	0.00%	247	0	
	Administration & Maintenance Facilities	0.00%		0.00%	145	0	
Infrastructure	Asset Class	On 6/30/2020	Performance Measure based on 49 CFR Part 625	FY21 Target (reported to FTA)	Total Revenue Track	Average Performance Restriction	
	Heavy Rail (HR)	0.35%	625.43(c): Infrastructure: rail fixed-guideway, track, signals, and systems. The performance measure for rail fixed-guideway, track, signals, and systems is the percentage of track segments with performance restrictions.	0.28%	31.84 miles	0.11 miles	
	Light Rail (LR)	2.96%		2.36%	171.73 miles	5.08 miles	



FTA TAM Requirements - Accomplished

Metro's Enterprise Transit Asset Management (ETAM) staff accomplished:

- All FTA FY20 National Transit Database (NTD) reporting requirements were fulfilled on time including: the Group Plan with the uniform performance targets; the TAM performance measures and targets were reported; and Southern California Association of Governments (SCAG) has been provided Metro's updated TAM Plan and the NTD performance and target data for their regional TAM reporting.

Support implementation of new Enterprise Asset Management System

- ETAM supported Phase I procurement.
- ETAM staff participating as Sponsor and Subject Matter Expert (SME) to procure and implement software Phase II – anticipated award Fall 2021.
- Coordinate and standardize an onboarding process for new assets from new capital projects

Continue Condition Assessments:

- Structures (Inspections) – continue coordination of track allocation to gain access to tunnels and bridges maintaining compliance with the CPUC-CA Public Utilities Commission regs
- Fire Life Safety Systems – continue coordination with Operations to gain access to areas where FLS Systems are present to assess conditions.



Transit Asset Management - Next Steps

Initiate next 4-year cycle of Facilities Condition Assessments

- Finalize Scope of Work
- Award by FY22 Q3

Provide input on development of SGR Capital Projects for FY23 Budget

- Provide current asset replacement needs to Operations for project proposals
- Provide SGR needs to long range planning and OMB for funding levels
- Include identification of asset replacements in capital project proposals to OMB
- Update backlog and SGR need with funded FY22 data

October 31, 2021 - FTA TAM Rulemaking compliance deadline:

- Held Technical Working Group meetings with Operations' asset managers including Micro Transit, to update asset information for 6/30/2021 reporting.
- July - Collected data
- August – Validate information with asset owners
- September – Formulate Performance Measures and Targets information, Written Narrative
- October – Receive Executive Approval
- Upload data into National Transit Database (NTD) for multiple asset reports
- Group TAM Plan update underway, coordinating with 34 sub-recipient transit agencies who participate



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Thank you!

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