Los Angeles County
Metropolitan Transportation
Authority
One Gateway Plaza
3rd Floor Board Room
Los Angeles, CA

Metro

Board Report

File #: 2023-0561, **File Type:** Oral Report / Presentation **Agenda Number:** 6.

MEASURE M INDEPENDENT TAXPAYER OVERSIGHT COMMITTEE
DECEMBER 6, 2023

SUBJECT: STATE OF GOOD REPAIR

ACTION: RECEIVE ORAL REPORT

RECOMMENDATION

RECEIVE oral report on State of Good Repair budget and expenses.

ISSUE

To support discussion on the effective and efficient use of funds, this quarterly presentation provides the Committee with Metro's status in meeting State of Good Repair requirements per the Federal Transit Administration's Transit Asset Management (TAM) Rulemaking; including progress made on condition assessments performed by ETAM and in support of the new Enterprise Asset Management (EAM) System implementation.

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Measure M Independent Taxpayer Oversight Committee

Enterprise Transit Asset Management

State of Good Repair

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TAM Inventory Database Overview - FY24 Q1

- Asset Inventory Database Statistics
  - Tracking approximately 31,000 asset records
  - $22.1B Asset Replacement Value
  - $28.5B SGR needs over 40 years
  - $2.7B Current Backlog

- ETAM Reported data through 6/30/2023 into National Transit Database (NTD) by 10/31/2023 deadline
  - 16 reports regarding asset inventory
  - Annual TAM Narrative Report
  - Performance Measure Targets Report
  - Group TAM update

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Federal Transit Administration (FTA) Reporting 10/31/2023

	FTA TAM Performance Measures / Targets						Based on FY23 Census Date (6/30/2023)				FY24 Forecast (6/30/24)			
	Asset Class	Performance Measure based on 49 CFR Part 625	① FY23 Target (reported to FTA)	② = ⑥ / ⑤ FY23 Actual (Calc'd by FTA)	② = ① FY23 Performance Meet/Exceed	③ = ⑩ / ⑨ FY24 Target * (reported to FTA)	④ Total Asset Count	⑤ "Active" Asset Count	⑥ Exceeded ULB (NTD Method‡)	⑦ Average Age	⑧ Total Asset Estimate	⑨ "Active" Asset Estimate	⑩ Exceeded ULB (NTD Method‡)	⑪ Average Age
Rolling Stock	Articulated Bus (AB)	625.43(b): Rolling stock. The performance measure for rolling stock is the percentage of [active, dedicated] revenue vehicles [for which the agency has capital responsibility] within a particular asset class that have either met or exceeded their useful life benchmark.	36.00%	35.34%	Met	35%	274	266	94	7.7	275	271	94	8.5
	Bus (BU)		1.00%	1.74%	Exceeded	1%	1,798	1,722	30	7.3	1,807	1,739	8	7.5
	Heavy Rail Vehicles (HR)		25.00%	30.23%	Exceeded	30%	100	86	26	26.2	102	87	26	26.6
	Light Rail Vehicles (LR)		0.00%	0.00%	Met	0%	337	303	0	8.6	337	328	0	9.6
Equipment	Asset Class	Performance Measure based on 49 CFR Part 625	FY23 Target (reported to FTA)	FY23 Actual (Calc'd by FTA)	FY23 Performance	FY24 Target * (reported to FTA)		Total Asset Count	Exceeded ULB (NTD Method‡)	Average Age		Total Asset Estimate	Exceeded ULB (NTD Method‡)	Average Age
	Automobiles	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.	40.00%	39.83%	Met	52%		467	186	9.3		488	252	9.8
	Trucks and Other Rubber Tire Vehicles		46.00%	42.02%	Met	41%		1,021	429	10.4		1,039	425	10.6
	Steel Wheel Vehicles		20.00%	20.00%	Met	20%		10	2	10.1		10	2	11.1
Facilities	Asset Class	Performance Measure based on 49 CFR Part 625	FY23 Target (reported to FTA)	FY23 Actual (Calc'd by FTA)	FY23 Performance	FY24 Target * (reported to FTA)	Total Facilities	Facilities Assessed	Facilities Below TERM Condition 3					
	Passenger Facilities (Stations & Parking)	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%	0.00%	Met	0%	285	233	0					
	Administration & Maintenance Facilities		0.00%	0.00%	Met	0%	152	152	0					
Infrastructure	Asset Class	Performance Measure based on 49 CFR Part 625	FY23 Target (reported to FTA)	FY23 Actual (Calc'd by FTA)	FY23 Performance	FY24 Target * (reported to FTA)		Total Revenue Track	Average Performance Restriction					
	Heavy Rail (HR)	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.	1.00%	1.10%	Exceeded	2%		31.84 miles	0.35 miles					
	Light Rail (LR)		4.00%	3.76%	Met	4%		186.76 miles	7.02 miles					

* FY24 Target is the forecast performance or condition rounded up to the next whole percentage.

‡ Uses the FTA/NTD method of calculating age: **Census Year - Year of Manufacture** for each asset.

Transit Asset Management – Accomplished and In Progress as of FY24 Q1

Support Implementation of new Enterprise Asset Management System (EAMS):

- ETAM staff participating as Sponsor and Subject Matter Expert (SME) to implement EAM System Integration (SI) – awarded October 2021.
- Support EAM project for duration of approximate 3-year contract to help ensure success. Currently in Phase I of IV.
- ETAM attending workshops to ensure NTD reporting data and other requirements are included in EAMS design and functionality.

Continued Condition Assessments:

- Structures (Inspections) Contract FY24 – Completed 7 of 68 inspections by end of Q1. Coordinating with Ops, Program Management to resolve issues found during inspections.
- Awarded Facilities Condition Assessment – 3-year contract in May 2022 for FY23-25 required assessments. 22 of 68 inspections performed in Q1 FY24.
- Train Control Assessment Study – Request for Proposal (RFP) went out March 2023, scheduled for award in Q2 of FY24 pending resolution of issues during the procurement process. In blackout period.

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Transit Asset Management – Accomplished and In Progress as of FY24 Q1

Asset On-boarding:

- Finalized collecting needed asset information from new projects, Crenshaw (K Line) and Regional Connector (A/E Line) projects for reporting into the NTD.
- Coordinating with EAM team for “on-boarding” of new assets being acquired from new capital projects. Must report new assets “in service” to the FTA on annual basis.

October 31, 2023 - FTA TAM Rulemaking compliance deadline:

- September/October – Group TAM Plan – Completed coordination with 33 sub-recipient transit agencies who are verified participates to report TAM data documenting changes from last year, including unified performance targets into the NTD.
- October – Finalize Metro TAM Data – Received executive approval and completed coordination with stakeholder departments to report 16 asset reports on TAM inventory, performance and targets into the NTD.
- September – Set Metro TAM Performance/Condition Targets -- Formulate Performance Measures and Targets information, attained concurrence on targets with key stakeholders for NTD reporting.
- July/August – Collected current asset data including on-boarding of key Crenshaw and Regional Connector assets and validated information with asset owners.

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Thank you!

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Enterprise Transit Asset Management
State of Good Repair

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