

# Measure M Independent Taxpayer Oversight Committee

Enterprise Transit Asset Management

*State of Good Repair*



Metro

# TAM Inventory Database Overview

- Asset Inventory Database Statistics – as of Oct. 2022 NTD update
  - 27,989 asset records tracking over 500,000 assets
  - \$22.1B Asset Replacement Value (FY23\$)
  - \$26.8 B SGR needs over 40 years (FY23\$)
  - \$2.65B Current Backlog (FY23\$)
- ETAM Reported data through 6/30/2022 into National Transit Database (NTD) by 10/31/2022 deadline
  - 16 reports regarding asset inventory
  - Annual TAM Narrative Report
  - NTD A90 report - Performance Measure Targets
  - TAM Plan 2022 update
  - Group TAM Plan update
- Next NTD update due October 31, 2023

# Federal Transit Administration (FTA) Reporting Requirements FY22

FTA TAM Performance Measures / Targets					Based on FY22 Census Date (6/30/2022)				FY23 Forecast (6/30/23)				
Asset Class	Performance Measure based on 49 CFR Part 625	① FY22 Target (reported to FTA)	② = ⑥ / ⑤ FY22 Actual (Calc'd by FTA)	③ = ⑩ / ⑨ FY23 Target ** (reported to FTA)	④ Total Asset Count	⑤ "Active" Asset Count	⑥ Exceeded ULB (NTD Method <sup>†</sup> )	⑦ Average Age	⑧ Total Asset Estimate	⑨ "Active" Asset Estimate	⑩ Exceeded ULB (NTD Method <sup>†</sup> )	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.	34.07%	35.45%	36%	274	268	95	6.8	275	270	95	7.5
	Bus (BU)		2.63%	1.52%	1%	1,910	1,841	28	6.6	1,715	1,651	14	6.9
	Heavy Rail Vehicles (HR)		18.18%	16.67%	25%	100	84	14	25.2	122	107	26	21.5
	Light Rail Vehicles (LR)		0.00%	0.00%	0%	298	247	0	8.6	337	309	0	8.5
Equipment	Asset Class	Performance Measure based on 49 CFR Part 625	FY22 Target (reported to FTA)	FY22 Actual (Calc'd by FTA)	FY23 Target ** (reported to FTA)	Total Asset Count	Exceeded ULB (NTD Method <sup>†</sup> )	Average Age	Total Asset Estimate	Exceeded ULB (NTD Method <sup>†</sup> )	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.	37.83%	37.25%	40%		459	171	8.5		475	186	9.0
	Trucks and Other Rubber Tire Vehicles		40.18%	40.12%	46%		972	390	10.1		954	433	10.9
	Steel Wheel Vehicles		20.00%	20.00%	20%		10	2	9.1		10	2	10.1
Facilities	Asset Class	Performance Measure based on 49 CFR Part 625	FY22 Target (reported to FTA)	FY22 Actual (Calc'd by FTA)	FY23 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%	0%	260	213	0					
	Administration & Maintenance Facilities		0.00%	0.00%	0%	155	155	0					
Infrastructure	Asset Class	Performance Measure based on 49 CFR Part 625	FY22 Target (reported to FTA)	FY22 Actual (Calc'd by FTA)	FY23 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.	0.30%	0.09%	1%		31.84 miles	0.03 miles					
	Light Rail (LR)		2.78%	3.28%	4%		171.73 miles	5.63 miles					

\* FY22 Facility Performance Measure includes the facilities assessed in FY19 - FY22.

\*\* FY23 Target is the forecast performance or condition rounded up to the next whole %.

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



# Transit Asset Management – Accomplished and In Progress

## **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) Phase II – awarded October 2021.
- Support EAM project for duration of approximate 3-year contract to help ensure success.
- Coordinate with EAM team for a process to “on board” new assets acquired from new capital projects. Must report new assets “in service” to the FTA on annual basis.

## **Continued Condition Assessments:**

- Structures (Inspections) Contract – FY23, in contract year 4 of 5. Completed 74 of 74 inspections in FY22.
- Fire Life Safety Systems – Completed contract and shared consultant’s recommendations with Operations to support their SGR capital project prioritization requests.
- Awarded Facilities Condition Assessment Contract May 2022 for FY23 required assessments
  - Started Condition Assessments. 66 to be performed in FY23.
- Completed 143 of 143 scheduled facilities assessments in FY22 to comply with 4-year cycle of Facilities condition reporting into the NTD.



**Metro**<sup>®</sup>

# Transit Asset Management – Accomplished and In Progress

## **Provided input on development of SGR Capital Projects for FY23 Budget**

- Provided SGR asset replacement needs to Operations to support project prioritization process
- Provided SGR short and long term needs to Planning and OMB for funding process'
- Working to update backlog and SGR need with funded FY22 data.

## **October 31, 2022 - FTA TAM Rulemaking compliance deadline:**

- May - Group TAM Plan - coordinated with 33 sub-recipient transit agencies who are verified participates and gathered pertinent information including changes from last year
- June/July – Sent reminders to all asset stakeholders to begin to prepare for RY22 data collection and 6/30/2022 cutoff. Began collecting data from Operations' asset managers to update asset information
- August – Validated information with asset owners
- September – Formulated Performance Measures and Targets information, Written Narrative
- October – Received Executive Approval to upload Performance Target data
- Uploaded data into National Transit Database (NTD) for multiple (16) asset reports by ETAM
- Completed 2022 TAM Plan update, due every four years per the TAM Rulemaking



**Metro**



Thank you!

Denise Longley  
Enterprise Transit Asset Management  
*State of Good Repair*



Metro®