



Measure M Independent Taxpayer Oversight Committee

Enterprise Transit Asset Management

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TAM Inventory Database Overview

- Asset Inventory Database Statistics – as of Nov. 2021 NTD update
 - 27,897 asset records tracking over 500,000 assets
 - \$20.1B Asset Replacement Value (FY22\$)
 - \$25.5 B SGR needs over 40 years (FY22\$)
 - \$2.1B Current Backlog (FY22\$)
- ETAM Preparing to Report 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, 2022

Federal Transit Administration (FTA) Reporting Requirements FY21

FTA TAM Performance Measures / Targets					Based on FY21 Census Date (6/30/2021)				FY22 Forecast				
Asset Class	Performance Measure based on 49 CFR Part 625	① FY21 Target (reported to FTA)	② = ⑥ / ⑤ FY21 Actual (Calc'd by FTA)	③ = ⑩ / ⑨ FY22 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.	46.59%	45.25%	34.07%	340	316	143	7.4	275	273	93	6.5
	Bus (BU)		15.12%	0.00%	2.63%	1,999	1,806	0	6.9	1,958	1,899	50	6.7
	Heavy Rail Vehicles (HR)		0.00%	0.00%	18.18%	102	88	0	24.3	102	88	16	25.3
	Light Rail Vehicles (LR)		0.00%	0.00%	0.00%	292	245	0	8.0	337	309	0	7.6
Equipment	Asset Class	Performance Measure based on 49 CFR Part 625	FY21 Target (reported to FTA)	FY21 Actual (Calc'd by FTA)	FY22 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.	25.47%	25.63%	37.83%		480	123	7.7		460	174	8.5
	Trucks and Other Rubber Tire Vehicles		37.41%	39.64%	40.18%		999	396	10.2		978	393	10.1
	Steel Wheel Vehicles		20.00%	20.00%	20.00%		10	2	8.1		10	2	9.1
Facilities	Asset Class	Performance Measure based on 49 CFR Part 625	FY21 Target (reported to FTA)	FY21 Actual (Calc'd by FTA)	FY22 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%	0.00%	255	213	0					
	Administration & Maintenance Facilities		0.00%	0.00%	0.00%	151	150	0					
Infrastructure	Asset Class	Performance Measure based on 49 CFR Part 625	FY21 Target (reported to FTA)	FY21 Actual (Calc'd by FTA)	FY22 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.	0.28%	0.38%	0.30%		31.84 miles	0.12 miles					
	Light Rail (LR)		2.36%	3.48%	2.78%		171.73 miles	5.97 miles					

* FY21 Facility Performance Measure includes the facilities assessed in FY18 - FY21.

** FY22 Infrastructure Performance Measure forecast is 80% of FY21 actual performance measure.

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



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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.

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 receiving initial deliverables to proceed with Condition Assessments
- Completed 143 of 143 scheduled facilities assessments in FY22 to comply with 4-year cycle of Facilities condition reporting into the NTD.



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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 – Validate information with asset owners
- September – Formulate Performance Measures and Targets information, Written Narrative
- October – Receive Executive Approval to upload Performance Target data
- Upload data into National Transit Database (NTD) for multiple (16) asset reports by ETAM
- Complete 2022 TAM Plan update, due every four years per the TAM Rulemaking. In process.



Thank you!

Denise Longley
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