



**Board Report**

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**MEASURE M INDEPENDENT TAXPAYER OVERSIGHT COMMITTEE  
JUNE 5, 2024**

**SUBJECT: STATE OF GOOD REPAIR**

**ACTION: RECEIVE ORAL REPORT**

**RECOMMENDATION**

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

**ISSUE**

To support the discussion for the effective and efficient use of funds, this quarterly presentation provides the committee with Metro’s status in meeting State of Good Repair (SGR) requirements per the Federal Transit Administration’s Transit Asset Management (TAM) Rulemaking. This includes progress on condition assessments performed by Enterprise Transit Asset Management (ETAM) and in support of the new Enterprise Asset Management (EAM) system implementation.

**ATTACHMENTS**

Attachment A - Presentation

Prepared by: Denise Longley, Executive Officer, Administration, (213) 922-7294

Reviewed by: Kenneth Hernandez, Interim Chief Safety Officer, (213) 922-2990



# Measure M Independent Taxpayer Oversight Committee

Enterprise Transit Asset Management

*State of Good Repair*

June 5, 2024



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# TAM Inventory Database Overview - FY24 Q3

ETAM must remain in compliance with the FTA's TAM Rulemaking 49 CFR Part 625 by reporting annually, so Metro can remain eligible for federal grants.

- Asset Inventory Database Statistics
  - Tracking approximately 33,200 asset records
  - \$24.6B Asset Replacement Value
  - \$31.7B SGR needs over 40 years
  - \$3.3B Current Backlog
  
- ETAM Reported Data through 6/30/2023 into the National Transit Database (NTD) by the 10/31/2023 deadline
  - 17 reports regarding asset inventory
  - Annual TAM Narrative Report
  - Performance Measure Targets Report
  - Group TAM update
  
- FTA FY24 Triennial Audit “Recipient Information Request” (RIR) commenced in Q3. ETAM responded to questions and continues to stand by for next steps.



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

## Rolling Stock and Equipment

| 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                                                                                                                                                                                                                                                   | ② = ⑥ / ⑤                     | ② = ①                        | ③ = ⑩ / ⑨                             | ④                               | ⑤                    | ⑥                                       | ⑦                                       | ⑧                    | ⑨                       | ⑩                                       | ⑪                                       |             |
|                                        |                                                                                                                                                                                                                                                                               | FY23 Target (reported to FTA)                                                                                                                                                                                                                       | FY23 Actual (Calc'd by FTA)   | FY23 Performance Meet/Exceed | FY24 Target * (reported to FTA)       | Total Asset Count               | "Active" Asset Count | Exceeded ULB (NTD Method <sup>‡</sup> ) | Average Age                             | Total Asset Estimate | "Active" Asset Estimate | Exceeded ULB (NTD Method <sup>‡</sup> ) | Average Age                             |             |
| Rolling Stock                          | Articulated Bus (AB)                                                                                                                                                                                                                                                          | 36.00%                                                                                                                                                                                                                                              | 35.34%                        | Met                          | 35%                                   | 274                             | 266                  | 94                                      | 7.7                                     | 275                  | 271                     | 94                                      | 8.5                                     |             |
|                                        | Bus (BU)                                                                                                                                                                                                                                                                      | 1.00%                                                                                                                                                                                                                                               | 1.74%                         | Not Met                      | 1%                                    | 1,798                           | 1,722                | 30                                      | 7.3                                     | 1,807                | 1,739                   | 8                                       | 7.5                                     |             |
|                                        | Heavy Rail Vehicles (HR)                                                                                                                                                                                                                                                      | 25.00%                                                                                                                                                                                                                                              | 30.23%                        | Not Met                      | 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                                     |             |
|                                        | 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. |                                                                                                                                                                                                                                                     |                               |                              |                                       |                                 |                      |                                         |                                         |                      |                         |                                         |                                         |             |
| Equipment                              | Asset Class                                                                                                                                                                                                                                                                   | Performance Measure based on 49 CFR Part 625                                                                                                                                                                                                        | FY23 Target (reported to FTA) | FY23 Actual (Calc'd by FTA)  | FY23 Performance Meet/Exceed          | FY24 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. | 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        |

\* 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.

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

## Facilities and Infrastructure

| FTA TAM Performance Measures / Targets |                                              |                                                                                                                                                                                                                              |                                             |                                             |                                                 | Based on FY23 Census Date (6/30/2023) |                              |                                                 |                                       |
|----------------------------------------|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|---------------------------------------------|-------------------------------------------------|---------------------------------------|------------------------------|-------------------------------------------------|---------------------------------------|
| Asset Class                            | Performance Measure based on 49 CFR Part 625 | ①<br>FY23 Target<br>(reported to FTA)                                                                                                                                                                                        | ② = ⑥ / ⑤<br>FY23 Actual<br>(Calc'd by FTA) | ② = ①<br>FY23<br>Performance<br>Meet/Exceed | ③ = ⑩ / ⑨<br>FY24 Target *<br>(reported to FTA) | ④<br>Total Asset Count                | ⑤<br>"Active" Asset<br>Count | ⑥<br>Exceeded ULB<br>(NTD Method <sup>‡</sup> ) |                                       |
| <b>Facilities</b>                      | Passenger Facilities<br>(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 &<br>Maintenance Facilities   |                                                                                                                                                                                                                              | 0.00%                                       | 0.00%                                       | Met                                             | 0%                                    | 152                          | 152                                             | 0                                     |
| <b>Infrastructure</b>                  | Asset Class                                  | Performance Measure based on 49 CFR Part 625                                                                                                                                                                                 | FY23 Target<br>(reported to FTA)            | FY23 Actual<br>(Calc'd by FTA)              | FY23<br>Performance<br>Meet/Exceed              | FY24 Target *<br>(reported to FTA)    |                              | Total Revenue<br>Track                          | Average<br>Performance<br>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%                                       | Not Met                                         | 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 Q3

### **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 the EAM project for the duration of an approximate 3-year contract to help ensure success. Currently in Phase I of IV.
- ETAM representative attending User Acceptance Testing (UAT) to ensure NTD reporting data and other requirements are included in EAMS design and functionality.

### **Continued Condition Assessments:**

- Structures Inspections Contract – 7-year contract began in July 2019 for FY20-26 inspections. Received 42 of 63 final inspection reports by the end of FY24 Q3. Coordinating with Operations and Program Management to resolve issues found during inspections.
- Facility Condition Assessments required per FTA TAM Rulemaking – 3-year contract began in May 2022 for FY23-25 required assessments. Received 66 of 68 final inspection reports in FY24 Q3.



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# Transit Asset Management – Accomplished and In Progress as of FY24 Q3

## Asset On-boarding:

- Coordinating with the EAM team for “on-boarding” of new assets acquired from new capital projects. New assets “in service” must be reported to the FTA annually.
- Working with Operations and Program Management to define the process to on-board new asset inventory from new projects.

## FTA TAM Rulemaking compliance deadline:

- **October 31, 2024:** Next reporting due for FY24. Initiate collection of asset data.
- April/May – Group TAM Plan: started to coordinate with 32 sub-recipient transit agencies who are verified participants and gather pertinent information, including changes from last year, to report into the NTD.
- May/June/July – Metro TAM data: Send reminders to all asset stakeholders to prepare for FY24 data collection and 6/30/2024 cutoff. Begin collecting data from Operations’ asset managers to update asset information.
- August/September – Validate information with asset owners; Formulate Performance Measures and Targets information, and Written Narrative.
- September/October – Receive Executive Approval to upload Metro Performance Target data into the NTD.
- Upload data into the National Transit Database (NTD) for multiple asset reports by ETAM, including Group TAM Plan targets by the NTD deadline.



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Thank you!

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



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