

# FTA

FEDERAL TRANSIT ADMINISTRATION

# Transit Asset Management Overview

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U.S. Department of Transportation  
Federal Transit Administration

## Today's Presentation

- Transit Asset Management – Setting the Stage
- Final Rule Implementation
  - Process
  - Reports
- Outreach & Technical Assistance

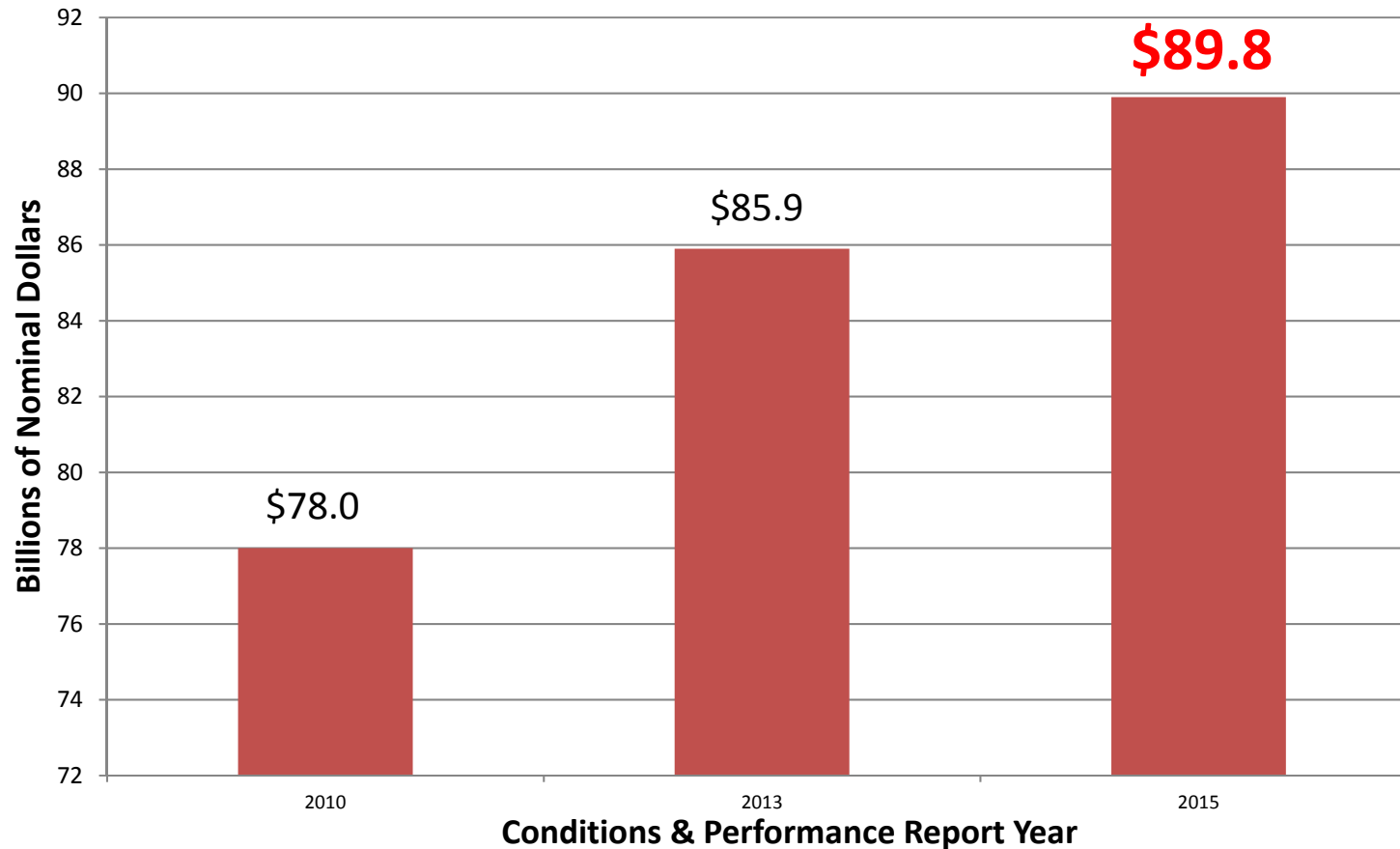


**TRANSIT  
ASSET  
MANAGEMENT**

[www.transit.dot.gov/TAM](http://www.transit.dot.gov/TAM)

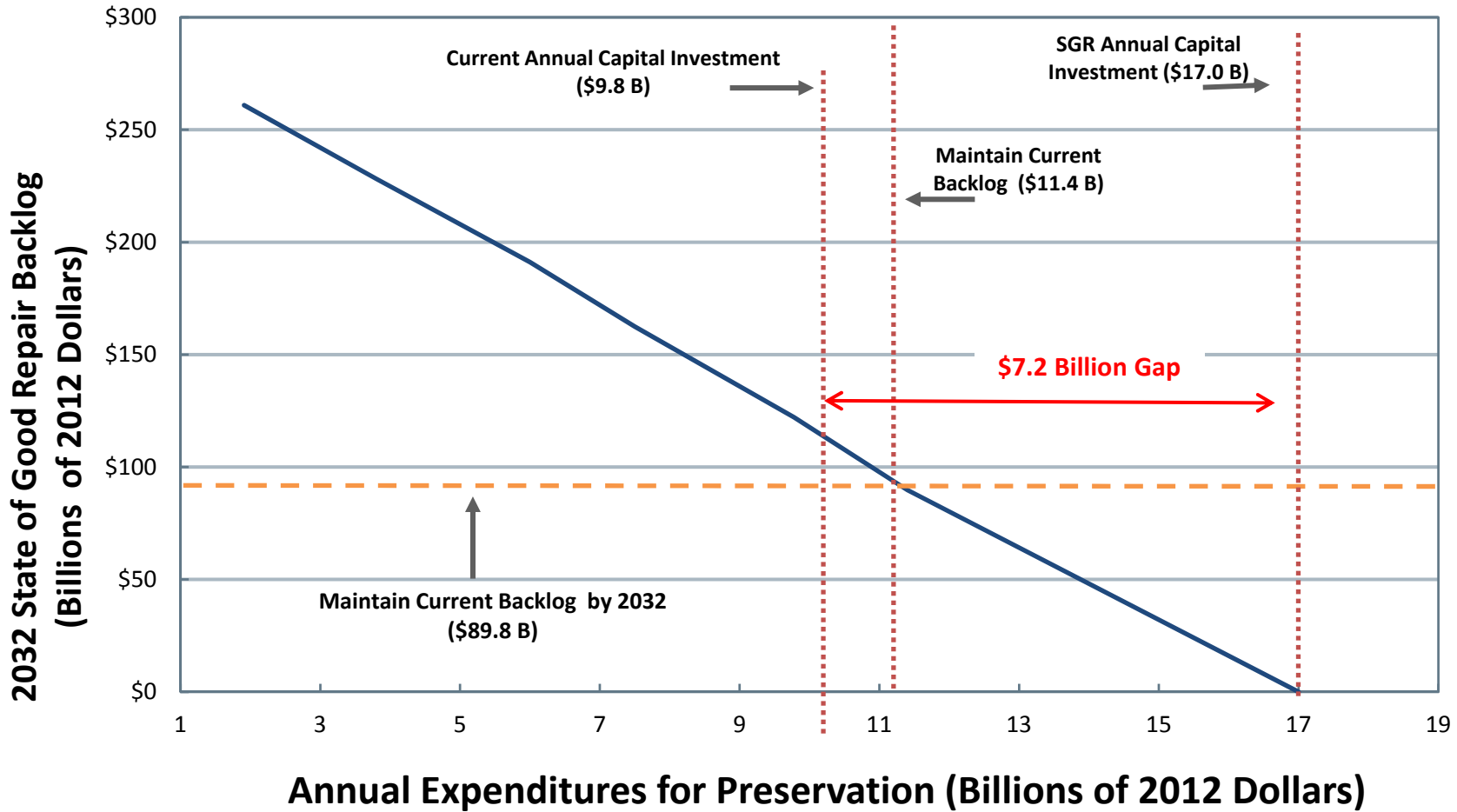
# FTA Backlog Estimates Since 2010

## State of Good Repair Backlog Estimates



# SGR Backlog: Funding Gap

## Impact of Preservation Investment on 2032 Transit SGR Backlog in All Areas



# TAM and State of Good Repair

- The purpose of the National TAM System is to keep our Nation's assets in a State of Good Repair (SGR)
- Consequences of not being in a SGR include:
  - Increased Safety risks
  - Decreased system reliability
  - Higher maintenance costs, and
  - Lower system performance

# National Transit Asset Management System

**Define**  
*state of  
good  
repair*

**Require**  
*TAM  
Plans for  
all  
recipients  
and sub-  
recipients*

**Establish**  
*SGR  
perfor-  
mance  
measures*

**Report**  
*data to  
the NTD*

**Receive**  
*Technical  
assistance  
from FTA*

## State of Good Repair

The condition in which a capital asset is able to operate at a **full level of performance**. This means the asset:

1. Is able to perform its designed function;
2. Does not pose a known unacceptable safety risk; and
3. Its **lifecycle investments** have been met or recovered.

# Final Rule Implementation





# Two types of Deliverables

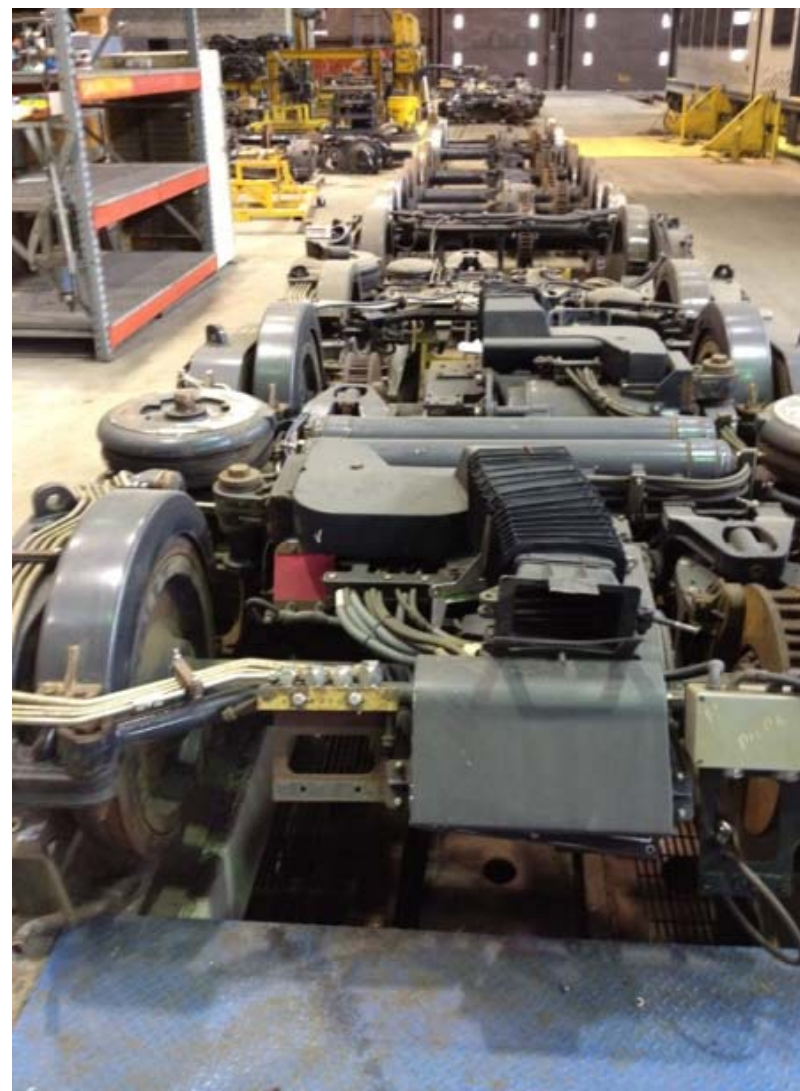
## Process

1. Compliant TAM Plan
  - Group
  - Individual Tier I
  - Individual Tier II
2. Recordkeeping & Coordination with Planning
3. Certification

## Reports

1. Data Report
  - Performance Targets
  - Performance Status
2. Narrative report

# Deliverables *Process*



# TAM Plan Elements

1. Inventory of Capital Assets
2. Condition Assessment
3. Decision Support Tools
4. Investment Prioritization

**All Providers**  
(Tier I & II)



5. TAM and SGR Policy
6. Implementation Strategy
7. List of Key Annual Activities
8. Identification of Resources
9. Evaluation Plan

**Tier I only**



\* FTA estimates that fewer than 20% of transit providers will do a Tier I Plan

# Two Tier Approach

## Tier I

Operates Rail

OR

$\geq 101$  vehicles across all fixed route modes

OR

$\geq 101$  vehicles in one non-fixed route mode

## Tier II

Sub-recipient of 5311 Funds

OR

American Indian Tribe

OR

$\leq 100$  vehicles across all fixed route modes

OR

$\leq 100$  vehicles in one non-fixed route mode

# Recordkeeping Requirements

- Maintain records supporting TAM Plan
- Share with State and metropolitan planning organization (MPO)
  - TAM Plan
  - Performance targets
  - Investment strategies
  - Annual condition assessments

# Certification

- TAM Plans are self-certified by the grantee's Accountable Executive
- FTA will review Plans and Progress during Triennial and State Management Reviews, as well as during MPO Certification Reviews

# Deliverables *Reports*



# Two types of Deliverables

## Process

1. Compliant TAM Plan
  - Group
  - Individual Tier I
  - Individual Tier II
2. Initial Target-Setting
3. Recordkeeping & Coordination with Planning
4. Certification

## Reports

1. Data Report
  - Performance Targets
  - Assets & Condition
2. Narrative report



# Data Reporting Requirements

- Optional in RY 2017, Mandatory in RY 2018
- Projected performance targets for next fiscal year
  - **Equipment** Percentage of non-revenue service vehicles that have met or exceeded their Useful Life Benchmark (ULB)
  - **Rolling Stock** Percentage of revenue vehicles within a particular asset class that have met or exceeded their ULB
  - **Infrastructure** Percentage of track segments with performance restrictions by class
  - **Facilities** Percentage of facilities with a condition rating below 3.0 on the FTA Transit Economic Requirements Model (TERM) scale (*1=Poor to 5=Excellent*)
- Asset inventory and condition assessments
  - ULBs for Rolling Stock & Equipment (service vehicles)
  - Age is calculated automatically from year of manufacture
  - Condition assessments for facilities
  - Slow zones for infrastructure (rail fixed guideway only)

# Narrative Report Requirements

- Mandatory beginning in RY 2019 – year after TAM Plan is in place
- Also submitted to NTD
- Change in condition since last report
- Progress toward targets
- Your chance to provide context for your numerical results

## Compliance Dates

- Initial Targets January 1, 2017
- Coordinate with Planning July 1, 2017
- Compliant TAM Plan October 1, 2018
- Annual data report Report year '18
  - Asset Inventory
  - Condition Assessments
  - SGR performance targets
- Annual narrative report Report year '19

# Performance Measure Targets

- Targets forecast performance for next fiscal year
- Set targets annually for each asset class
- Supported by data
  - Most recent condition data
  - Reasonable financial projections
- Targets for Group Plans apply to the group as a whole
- Reported annually to National Transit Database (NTD)

# Technical Assistance



# Available Technical Assistance

TERM-Lite

Transit Asset  
Management  
Guide  
*Updated 2016*

Roundtable  
Reports &  
Presentations

TAM News  
since 2015

TAM Plan  
Template  
For Small  
Providers

FAQs

2016  
Webinar  
Series

Checklists &  
Cheat sheets

[www.transit.dot.gov/TAM](http://www.transit.dot.gov/TAM)

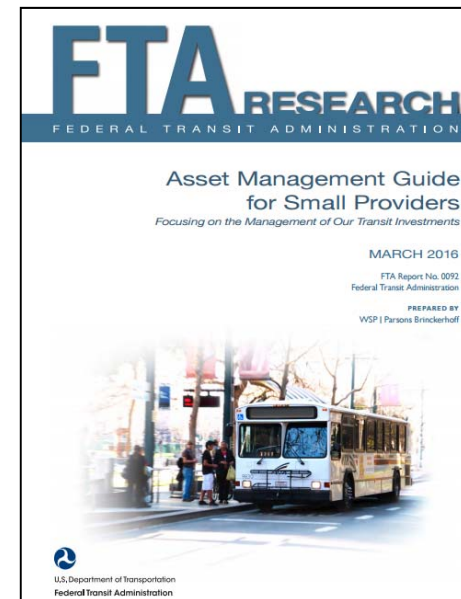
## Online Resources [www.transit.dot.gov/TAM](http://www.transit.dot.gov/TAM)

- TAM Compliance Checklists
  - Tier Determination
  - Sponsor/Participant
  - Compliance
- Final Rule Factsheet
- FAQs
- Website focused on Implementation
  - Getting Started Page
  - Resources by topic and type

# Small Providers Guide

- Published May 2016
- Includes template for TAM plan
- Focused on small, bus-only operators
- Available online at TAM website

[www.transit.dot.gov/TAM](http://www.transit.dot.gov/TAM)





# TAM Training Course Development

- National Transit Institute (NTI)
  - TAM 101 course (**Available**)
  - Small Systems TAM course (Spring 2017)
- Transportation Safety Institute (TSI)
  - Performance Measures Training course to teach guidebook methodologies (piloted online Jan. 2017)
- In Development
  - TAM 201 Implementation Course (Fall 2018)
  - Executive level TAM Overview Briefing (TBD)



# TRANSIT ASSET MANAGEMENT

[www.transit.dot.gov/TAM](http://www.transit.dot.gov/TAM)

**FTA**

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