

PERFORMANCE MEASURES TARGET SETTING: ROADWAY SAFETY AND TRANSIT ASSET MANAGEMENT

Surface Transportation Technical Committee

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North Central Texas Council of Governments
Information Item
January 24, 2020**

Background

Federal legislation specifies quantitative performance measures that must be tracked and reported annually or biennially.

- 2018 Performance Targets approved by RTC in December 2017
- Performance Targets Reaffirmed by RTC February 2019
 - Highway Safety Improvement Program (PM1)
 - Transit Asset Management

Established Regional Safety Position:

Even one death on the transportation system is unacceptable. Staff will work with our partners to develop projects, programs, and policies that assist in eliminating serious injuries and fatalities across all modes of travel.

- Re-emphasized focus on safety-related improvements and funding
- RTC approved funding for future Safety project implementations

Roadway Safety Performance Targets

- ❑ **Target: Number of Fatalities**
- ❑ **Target: Rate of Fatalities**
- ❑ **Target: Number of Serious Injuries**
- ❑ **Target: Rate of Serious Injuries**
- ❑ **Target: Number of Non-motorized Fatalities plus Serious Injuries**

(Targets based on a five-year rolling average)

TxDOT Safety Performance Targets and Projections

Safety Performance Targets	2018 TxDOT Targets	2018 NCTCOG Targets	2019 TxDOT Targets	2019 NCTCOG Targets	2020 TxDOT Targets	2020 NCTCOG Targets	2021 Targets	2022 Targets
	0.4% Reduction		0.8% Reduction		1.2% Reduction		1.6% Reduction	2.0% Reduction
No. of Fatalities	3,703.08	665.2	3,791.0	599.2	4,068	589.3*	-	-
Fatality Rate	1.432	0.960	1.414	0.838	1.48	0.803*	-	-
No. of Serious Injuries	17,565.4	3,647.8	17,751.0	3999.6	18,602	3,514.7*	-	-
Serious Injury Rate	6.740	5.180	6.550	5.568	6.56	4.768*	-	-
No. of Non-motorized Fatalities and Serious Injuries	2,150.6	560.0	2,237.6	582.4	2,477	595.0*	-	-

* Indicates preliminary estimate.

Targets are based on a five-year rolling average (2016 – 2020) for 2020.

Proposed reduction from original trend line projections.

NCTCOG Actual Safety Performance 2018 - Preliminary

Safety Performance Targets	NCTCOG 2018 Targets	NCTCOG PY 2018 Actual Performance*	NCTCOG PY 2012-2016 Baseline Performance	Met Target ?	Better than the Baseline ?	Met or Made Significant Progress?
Number of Fatalities	665.2	541.6	496.2	Yes	No	Yes
Rate of Fatalities	0.960	0.783	0.768	Yes	No	
Number of Serious Injuries	3,647.8	3,717.6	3,754.0	No	Yes	
Rate of Serious Injuries	5.180	4.768	5.399	Yes	Yes	
Number of Non-motorized Fatalities and Serious Injuries	560.0	543.2	497.2	Yes	No	

*PY Actual Performance calculated as PY 2014-2018 five-year rolling average

Final 2018 Safety Performance for NCTCOG region will be presented in late spring 2020

Safety Performance Targets Next Steps

Action	Date
Regional Safety Advisory Committee – Information	January 24, 2020
STTC Information	January 24, 2020
RTC Information	March 12, 2020
FHWA Reports Findings to States on Performance Status for 2018 Targets (Met, Significant Progress, or Did Not Meet)	March 2020
NCTCOG Reports Final Findings on Performance Status for 2018 Regional Targets	April 2020

A state has met or made significant progress towards its safety performance targets if the actual performance is less than or equal to the target or if the performance is better than the baseline performance (2012-2016). Either of these must be true for four of the five safety performance measures.

States that did not meet or make significant progress toward meeting 2014-2018 HSIP targets must submit an HSIP Implementation Plan to FHWA and use obligation authority equal to the Fiscal Year 2017 HSIP apportionment only for highway safety improvement projects.



FHWA does not make determinations for MPO targets.

Transit Asset Management (TAM)

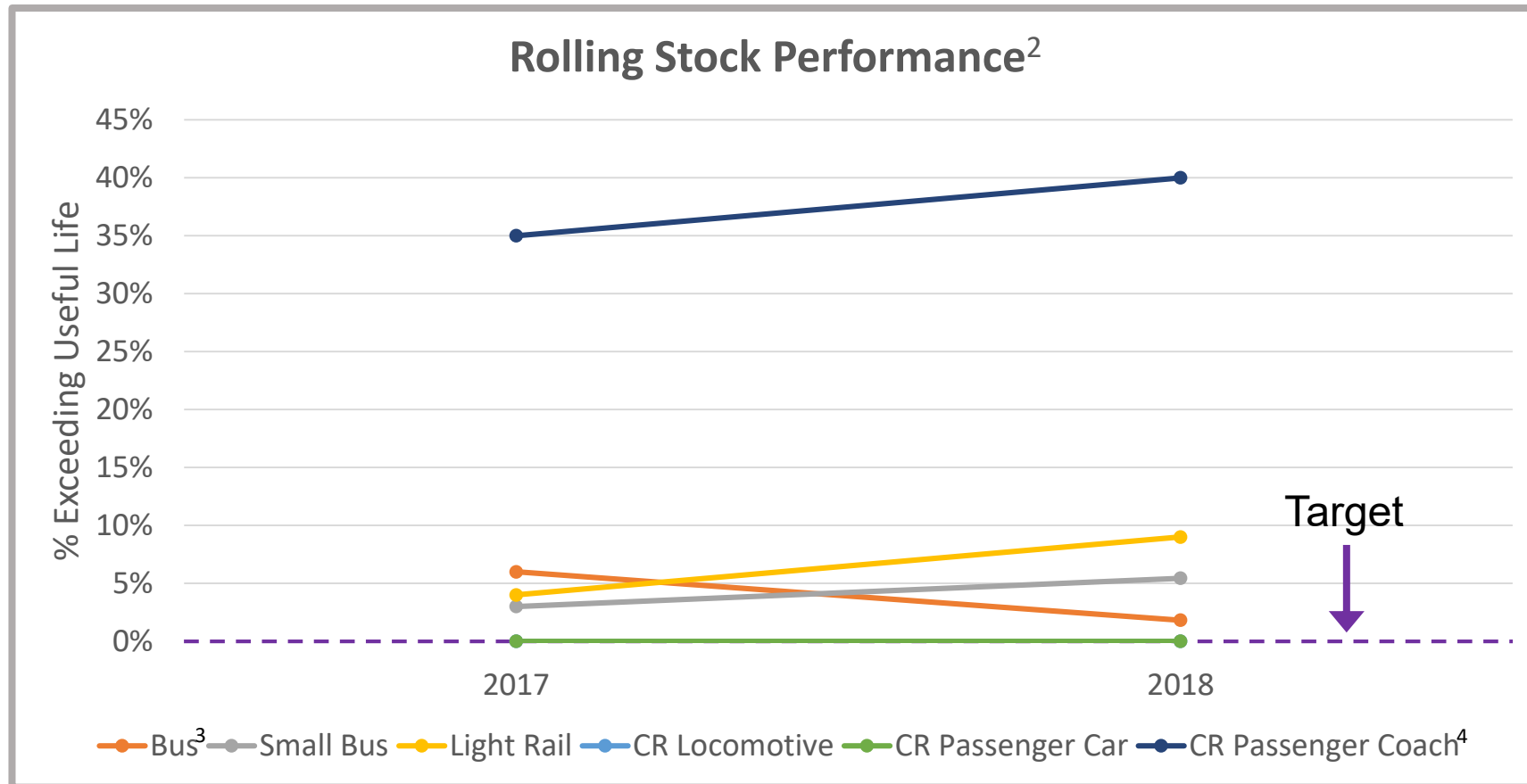


Images: DART, DCTA, FFTA, and NCTCOG

Transit Asset Management Regional Targets Adopted

	Asset Category	Target	Metric
 Emphasis Area #1	Rolling Stock (transit vehicles)	0%	Vehicles that meet or exceed the industry standard, defined as the Federal Transit Administration's Default Useful Life Benchmark
 Emphasis Area #2	Infrastructure (rail track)	0%	Rail track segments with performance restrictions
	Equipment (transit support vehicles)	0%	Vehicles that meet or exceed the industry standard, defined as the Federal Transit Administration's Default Useful Life Benchmark
	Facilities (buildings, stations, park and rides)	0%	Transit facilities rated below "Adequate" (3.0) on the industry standard Transit Economic Requirements Model (TERM) scale.

Transit Performance Measure: Rolling Stock¹



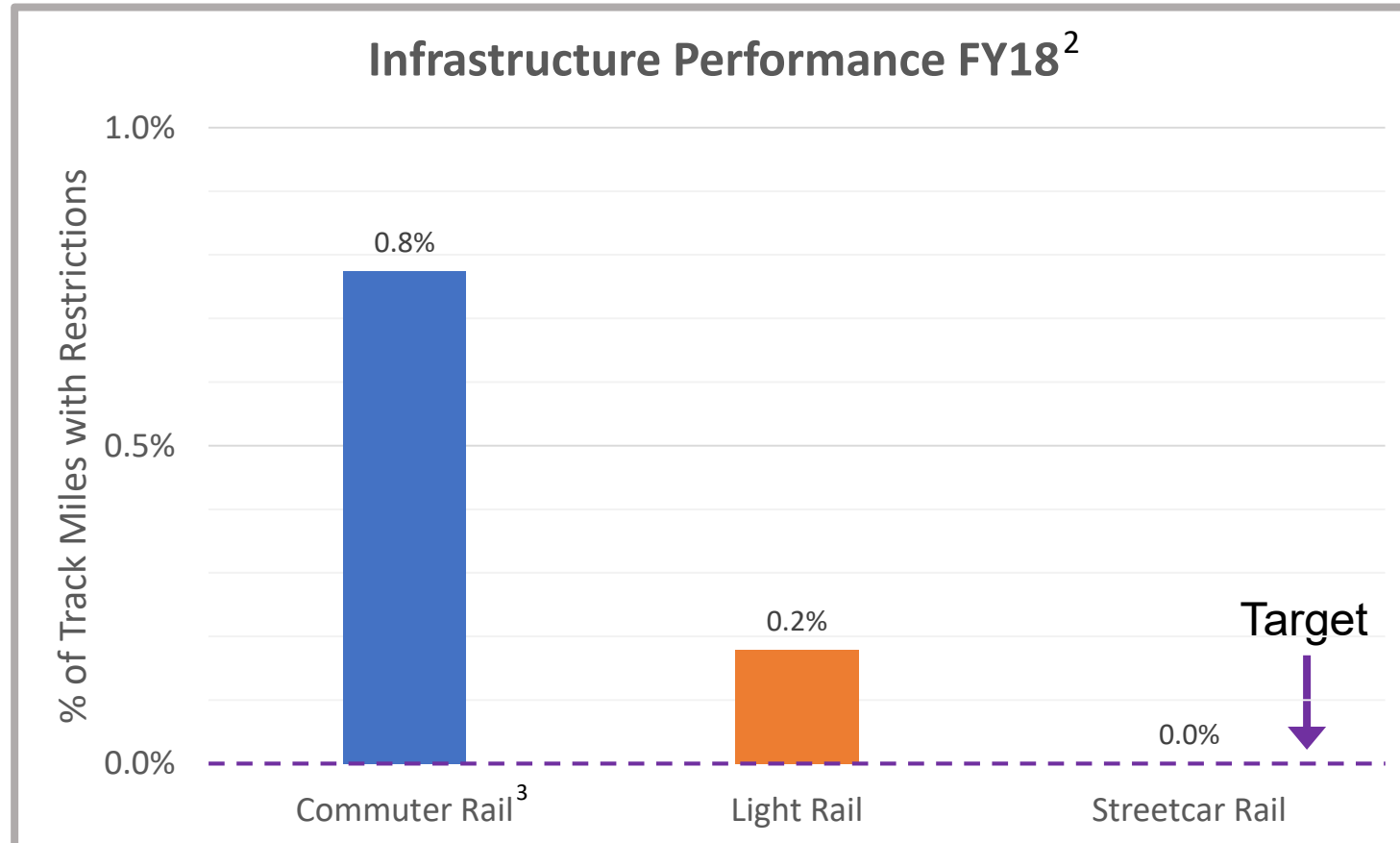
¹RTC Policy Emphasis Area

²Rolling stock assets include a small number of vehicles reported to the National Transit Database as “inactive”

³Bus group also includes “Articulated Bus” group

⁴Includes assets rebuilt near the end of their useful life with the assumption of a minimum extension of 10 years of useful life, which may be too conservative (i.e. vehicles may be in better condition than expected based on rebuild)

Transit Performance Measure: Infrastructure¹

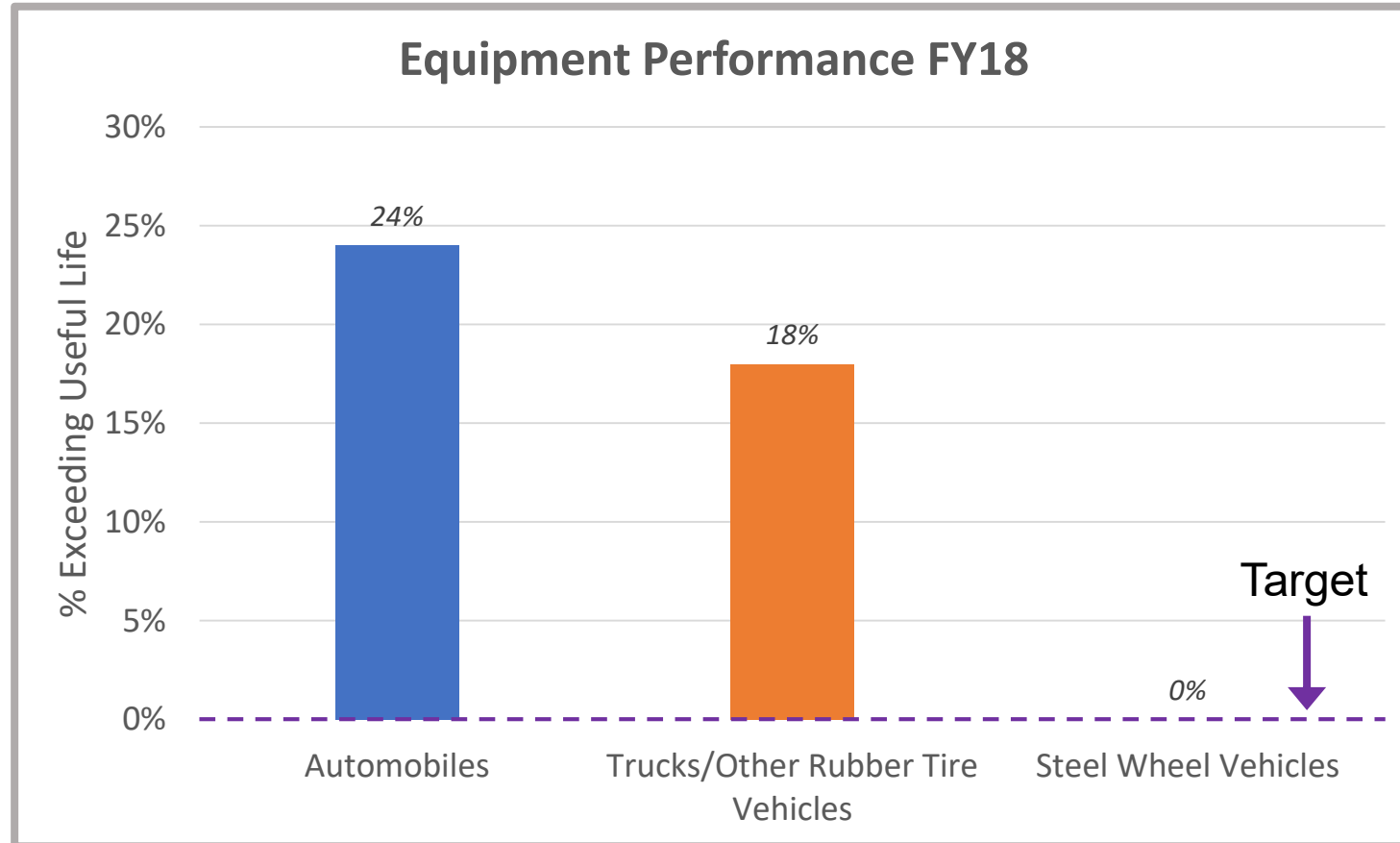


¹RTC Policy Emphasis Area

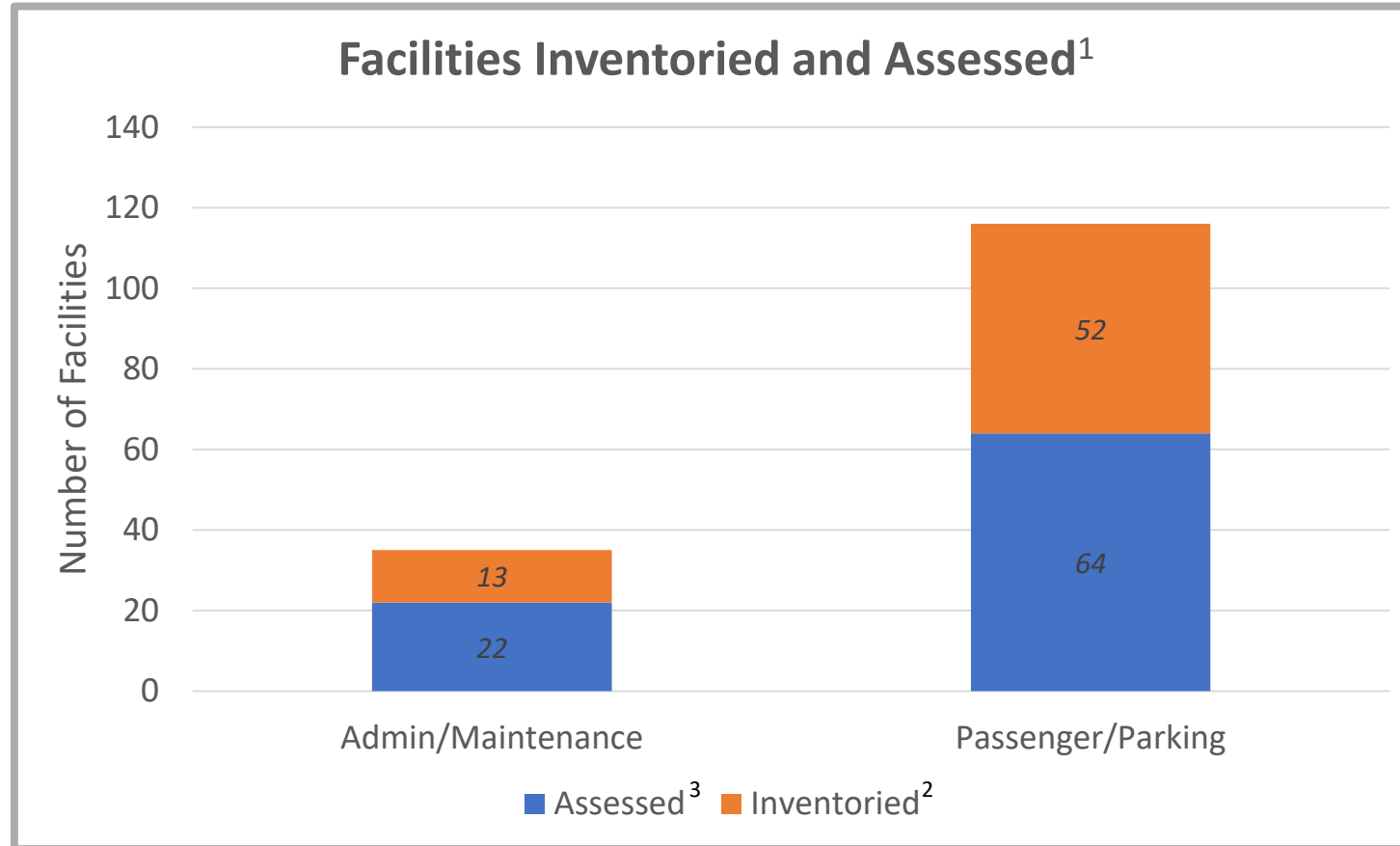
²Total refers to revenue track miles

³Trinity Metro data not included. Also, "hybrid rail" as defined by NTD was combined with "commuter rail" for simplification purposes.

Transit Performance Measure: Equipment



Transit Performance Measure: Facilities



All assessed facilities meet the target of 0%

¹Trinity Metro's rail facilities not included

²Total facilities for which transit providers have capital responsibility and require a conditions assessment.

³Total facilities that have undergone a conditions assessment to determine facility performance. Overall, 42% of reported facilities have undergone a conditions assessment.

Transit Asset Management Next Steps

Continue to Coordinate with Transit Providers

Consistent Transit Asset Management Definitions

Consistent Transit Asset Management Targets

Potential Enhanced Performance Measures for the Region's
Transit System

Public Transportation Agency Safety Plans

Observe Data and Adjust Actions Based on Performance

Performance Measures Tentative Schedule

Action	Date
STTC Information: Roadway Safety & Transit Asset Management	January 24, 2020
RTC Information: Roadway Safety & Transit Asset Management	March 12, 2020
STTC Information: Public Transportation Agency Safety Plan (PTASP)	Summer 2020
RTC Workshop/Information: All Performance Measures	Summer 2020
STTC Action: PTASP, Pavement, Bridge, and System Performance	October 23, 2020
RTC Action: PTASP, Pavement, Bridge, and System Performance	November 12, 2020

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Performance Measures Website

www.nctcog.org/pm/fed