

Regional Transit Safety Performance Targets

Technical Advisory Committee – Planning Committee

Metropolitan Transportation Services

October 14, 2021

Agenda

- Need
- Regional Safety Performance Targets
- Next Steps

Federal Performance Measures

- MAP-21/FAST Act required state DOTs and MPOs to set transportation performance targets in several sectors in 2018
 - Transit Asset Management
 - Bridge and Pavement Condition
 - System Performance
 - Congestion Management
 - Safety Performance
 - Transit Safety

PTASP - Overview

- MAP-21 & FAST Act also required transit agencies to develop Public Transportation Agency Safety Plans (PTASP), including the development of safety performance targets
- Applicable to Metro Transit, MVTA, MTS Contracted Services, and SW Transit
- Targets required for 3 modes: fixed-route bus, non-fixed route bus & rail
- MPOs have 6 months to develop regional safety performance targets after last agency submits targets to the Met Council

Required Targets

- Fatalities
 - Total number of fatalities
 - Fatality rate by vehicle revenue miles
- Injuries
 - Total number of injuries
 - Injury rate by vehicle revenue miles
- Safety Events
 - Total number of safety events
 - Safety event rate by vehicle revenue miles
- System Reliability
 - Average distance between major mechanical failures

Target Setting Approach

- Use safety performance targets developed by each transit provider
- Each transit provider have targets that reflect their operating contexts, investments both current and future
- If adopted, each agency's safety performance targets will be incorporated into the TIP and the TPP

Regional Transit Safety Targets

Agency	Safety Events	Fatalities	Injuries	System Reliability
Metro Transit Bus	3.8 / 100k miles	0 / calendar year	175 / calendar year	7,731 MDBF
Metro Transit LRT	0.6 / 100k miles	0 / calendar year	145 / calendar year	25,000 MDBF
SW Transit Bus	1 / 100k miles	0 / calendar year	1 / 100k miles	25,000 MDBF
SW Transit DAR	1 / 100k miles	0 / calendar year	1 / 100k miles	53,000 MDBF
MTS Bus	1.47 / 100k miles	0 / calendar year	0.1 / 100k miles	26,154 MDBF
MTS DAR	0.2 / 100k miles	0 / calendar year	0.2 / 100k miles	57,777 MDBF
MTS Vanpool	0 / 100k miles	0 / calendar year	0 / 100k miles	0 MDBF
MVTA Bus	0.326 / 100k miles	0 / calendar year	0.236 / 100k miles	9,000 MDBF



Recommendations

- Adopt the transit safety performance targets of Metro Transit, Metropolitan Transportation Services Contracted Services, Southwest Transit, and the Minnesota Valley Transit Authority for Bus, Light Rail, Dial-A-Ride, and Vanpool as the regional transit safety performance targets of the Metropolitan Council.
- Incorporate Performance Targets into Metropolitan Council regional planning processes and documents

Next Steps

- Present to Metropolitan Council for Adoption in December 2021
- Incorporate Transit Safety Performance Targets into next updates of TIP and TPP

Questions?

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