

CY 2026 HIGHWAY SAFETY PERFORMANCE MEASURE TARGETS

**Transportation Subcommittee
September 19, 2025**

ACTION REQUESTED

Recommend this item to the Planning and Programming Committee for its consideration of placement on the December 2025 Board of Directors agenda:

- 4% annual reduction for CY 2026 Highway Safety Performance Measure Targets

PREVIOUS ACTION

Resolution 2024-058 adopted a 3.8% annual reduction.

SAFETY PERFORMANCE MEASURES

1 Number of Fatalities

2 Fatalities per 100 million VMT

3 Number of Serious Injuries

4 Serious Injuries per 100 million VMT

5 Number of Non-Motorized Fatalities & Serious Injuries

TARGET SETTING

- State DOTs are required to adopt targets annually
- MPOs are also required to establish targets within 180 days
 - MPOs may establish targets through one of two options:
 1. Agree to adopt the State DOT safety targets, or
 2. **Commit to alternative quantifiable targets for their regions**

EQUAL ANNUAL REDUCTION (EAR)

- **Assumptions**
 - Vision Year: 2050
 - Vision Target: Zero
- **Calculation Period: Recent five years of available data**

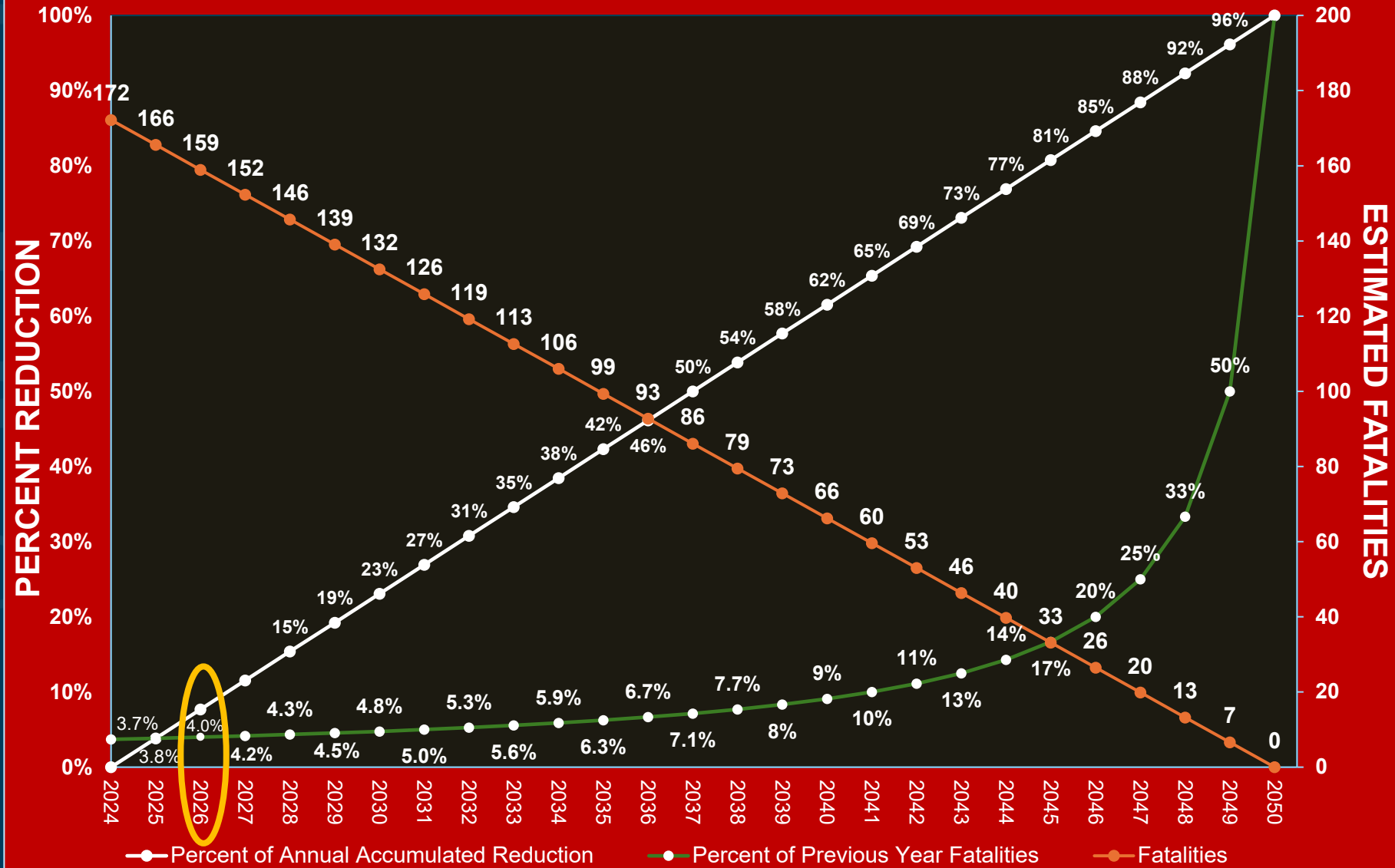
$$EAR = \frac{\text{5-Year Rolling Average of Safety performance Measure}}{\text{Vision Year - The Last Year of Available Data}}$$

- **Example: Fatalities**

$$\frac{172 \text{ Fatalities}}{2050 - 2024} = 6.6 \text{ per year}$$

FATALITIES

EQUAL ANNUAL FATALITY REDUCTION



ANNUAL SAFETY PERFORMANCE MEASURE TARGET SETTING

ANNUAL SAFETY PERFORMANCE MEASURE TARGET SETTING FOR THE NOACA REGION

INPUT DATA						Rolling Average (2020 to 2024)	EQUAL ANNUAL REDUCTION (EAR)	TARGET YEAR
SAFETY PERFORMANCE MEASURES / Year	2020	2021	2022	2023	2024			2026
Fatalities	170	217	139	151	184	172	6.6	159
Fatalities Per 100 Million VMT	1.42	1.71	1.04	1.13	1.36	1.33	0.051	1.23
Serious Injuries	1,329	1,447	1,318	1,290	1,233	1,323	50.9	1,222
Serious Injuries Per 100 Million VMT	11.1	11.4	9.9	9.7	9.1	10.24	0.4	9.46
Nonmotorized Fatalities & Serious Injuries	158	173	174	179	198	176	6.8	163
Regional Daily VMT	41,121,902	43,489,767	45,857,631	45,732,072	46,535,823			
Source of VMT	State Model	Interpolation	NOACA Model	NOACA Model	NOACA Model			
Daily to Annual Conversion Factor						291		
100 Million Annual VMT	120	127	133	133	135	100,000,000		
Zero Vision Year						2050		

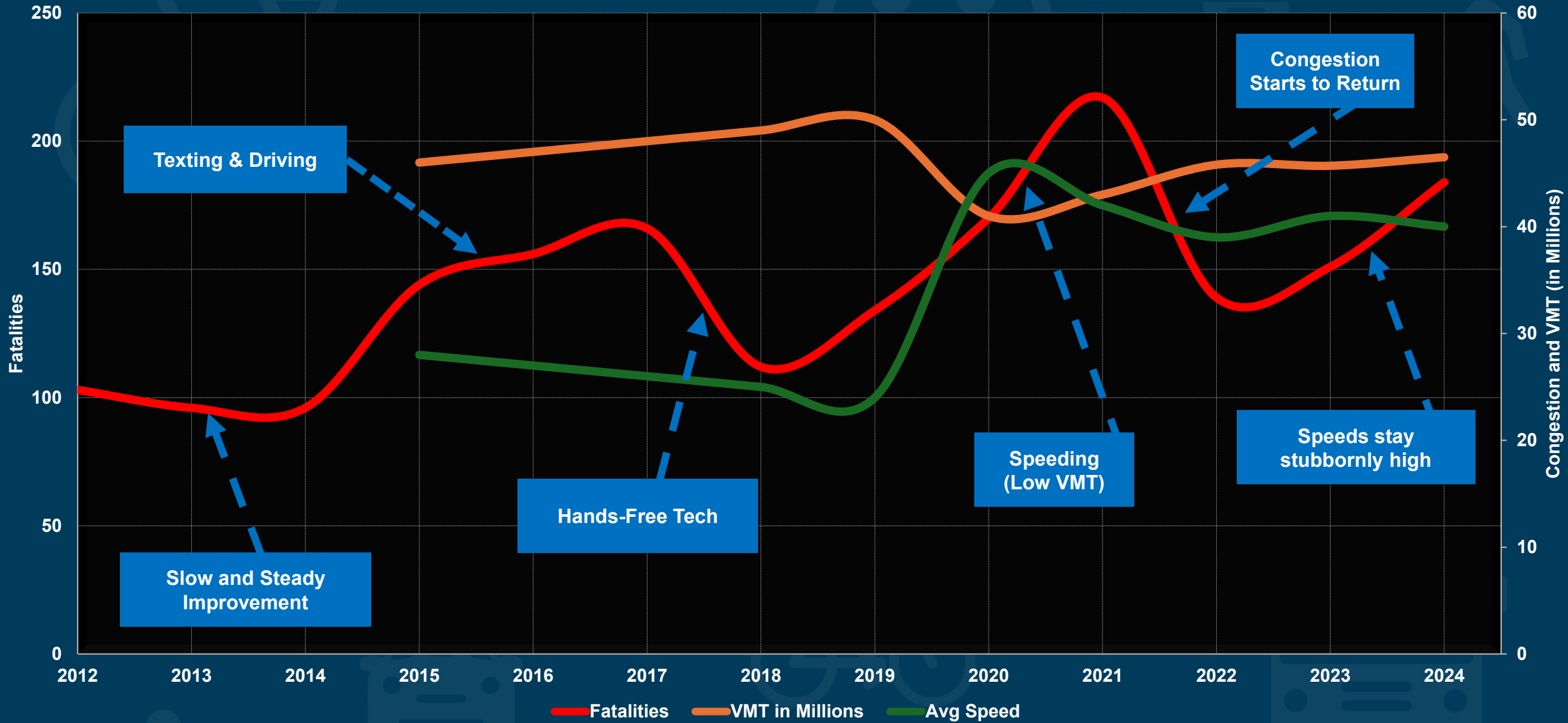


HISTORIC FATALITIES IN NOACA REGION

Fatalities per Year



Fatalities per Year with VMT and Speed Comparison



FINANCIAL IMPACTS

There are no financial impacts.

NEXT STEPS

Pending Board approval, the Long-Range Transportation Plan and Transportation Improvement Plan safety-related targets will be updated.

ACTION

Recommend this item to the Planning and Programming Committee for its consideration of placement on the December 2025 Board of Directors agenda:

- Proposes a 4% annual reduction for CY 2026 Highway Safety Performance Measure Targets



Motion
Second
Discussion
Put the Question





NOACA

Northeast Ohio Areawide Coordinating Agency

NOACA will **strengthen** regional cohesion, **preserve** existing infrastructure, and **build** a sustainable multimodal transportation system to **support** economic development and **enhance** quality of life in Northeast Ohio.