



## Strafford Metropolitan Planning Organization Highway Safety Performance Targets

*January 22, 2018*

### Background

On March 15<sup>th</sup> 2016 the Federal Highway Administration (FHWA) published the [final rule](#) on safety performance measures to be integrated into state Highway Safety Improvement Programs (HSIPs) (23 CFR Part 490). The rule requires state departments of transportation to develop safety targets by the end of August of each calendar year and include them in an annual HSIP report. The rule requires Metropolitan Planning Organizations (MPOs) to set safety targets 180 days after the state (by the end of February). Targets are established for five performance measures based on a five-year rolling average:

- Number of Fatalities
- Rate of Fatalities per 100 million Vehicle Miles Traveled (VMT)
- Number of Serious Injuries
- Rate of Serious Injuries per 100 million VMT
- Number of Non-motorized Fatalities and Non-motorized Serious Injuries

### Target Development

Based on recommendations from FHWA, NHDOT, and other stakeholders, Strafford MPO recommended to its Technical Advisory (TAC) and Policy Committees that the MPO support the statewide targets. These are shown in the table below.

Measure	State Target
Fatalities	113.2
Fatality Rate	0.866 per 100 million VMT
Serious Injuries	499.8
Serious Injury Rate	3.847 per 100 million VMT
Non-motorized Fatalities and Serious Injuries	51.4

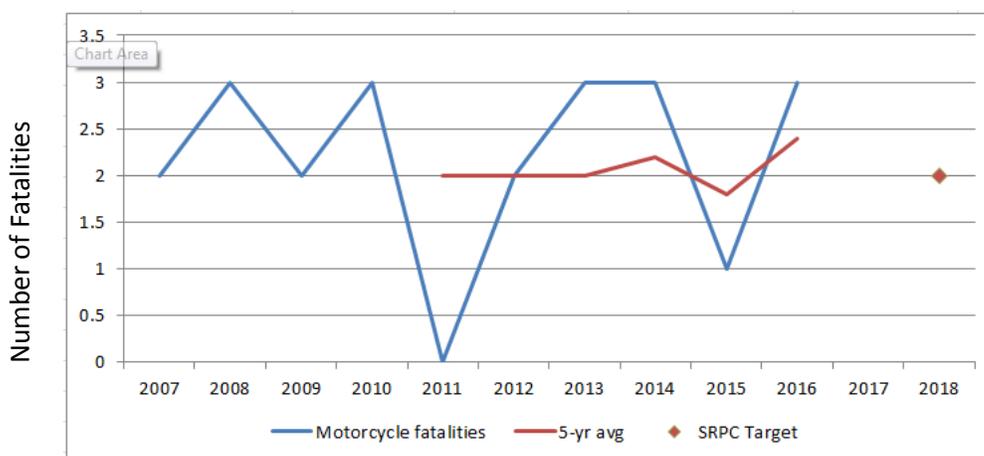
On January 5<sup>th</sup>, the Strafford MPO TAC recommended to the Policy Committee that the state safety targets be supported. On January 19<sup>th</sup>, the Policy Committee voted in favor of adopting the statewide safety targets.

In order to support the state safety targets, Strafford MPO staff calculated an approximate regional benchmark for each mandated safety measure to serve as a reference point for tracking regional fatalities and serious injuries. Based on crashes in past years: fatalities in the Strafford MPO region should stay at or below 10% of the state total (approximately 11 fatalities); serious injuries should stay at or below 11% of the state's total (approximately 53 serious injuries); and non-motorized fatalities and serious injuries should stay at or below 6% of the state's total (approximately 3 fatalities or serious injuries).

Measure	State Target	SRPC's Share
Fatalities	113.2	10% (about 11 fatalities)
Fatality Rate	0.866 per 100 million VMT	NA
Serious Injuries	499.8	11% (about 53 injuries)
Serious Injury Rate	3.847 per 100 million VMT	NA
Non-motorized Fatalities and Serious Injuries	51.4	6% (about 3 fatalities/injuries)

### Supplemental Safety Measure

The four New Hampshire MPOs identified *number of motorcycle fatalities* as a supplemental safety measure that could provide a more comprehensive, context-specific picture of the performance of the state's transportation network. Strafford MPO calculated a regional motorcycle fatality target based on a five-year rolling average. Based on this calculation, the regional 2018 supplemental target for motorcycle fatalities is two (2).



### Regional Target Setting

As the MPOs and NHDOT adapt to a performance-based approach, measures and targets will be more fully integrated into processes and programs. Strafford MPO's Metropolitan Transportation Plan has been restructured to incorporate performance measures and link them to planned and programmed projects in the region. The STIP update and corresponding TIPs in the fall of 2018 will incorporate performance measures.