PM1: SAFETY PERFORMANCE MEASURES SNHPC 2022

Southern New Hampshire Planning Commission MPO Policy Committee February 22, 2022

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Background Info – Federal Legislation and Safety Performance

What are the Five Federally-required safety measures



1. Number of Fatalities

The 5-year average of the total number of persons suffering fatal injuries in a motor vehicle crash during a calendar year.

2. Rate of Fatalities

The 5-year average of the ratio of the number of fatalities to the number of vehicle miles traveled (VMT, in 100 Million VMT) in a calendar year.

3. Number of Serious Injuries

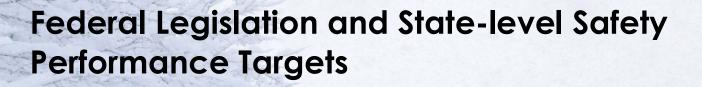
The 5-year average of the total number of persons suffering at least one serious injury in a motor vehicle crash during a calendar year.

4. Rate of Serious Injuries

The 5-year average of the ratio of the number of serious injuries to the number of VMT (in 100 Million VMT) in a calendar year.

5. Number of Non-Motorized Fatalities and Non-motorized Serious Injuries

The 5-year average of the combined total number of non-motorized fatalities and non-motorized serious injuries involving a motor vehicle during a calendar year.



States set safety performance targets:

MPOs including SNHPC are allowed the flexibility to set their own safety targets

OR

MPOs may support the Statelevel performance targets

For 2022 SNHPC Recommends:

Support State Targets FOR 2022

EXCEPT

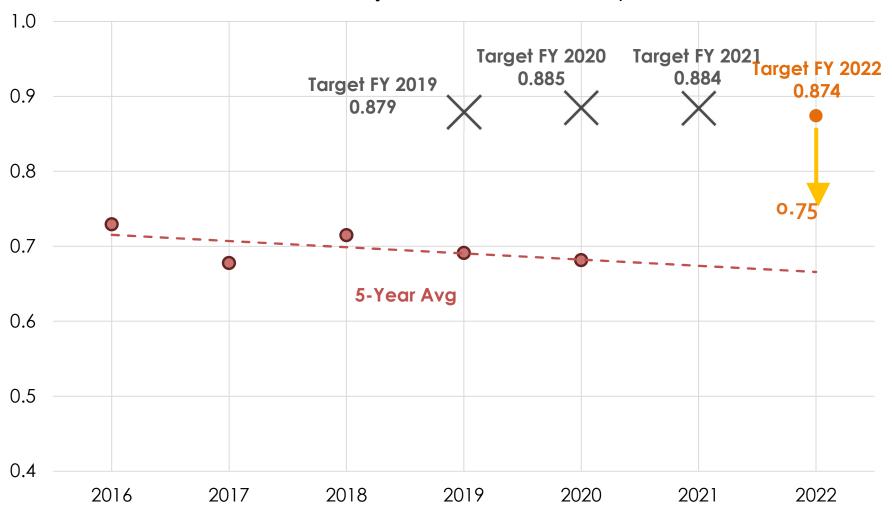
TAC has recommended that SNHPC adopt A REGIONAL target for the Fatality Rate.



2022 Proposed SNHPC Regional Safety Performance Targets

	SNHPC Five-Year Rolling Averages		Trends		State Target	SNHPC Recommended Target
Safety Measures	2015-2019	2016-2020	Recent	Desired		2022
Number of Fatalities	18.8	18.2	+	ļ	117.8	Support State Target (approx. 19 regionally)
Fatality Rate per 100 Million VMT	0.691	0.682	\downarrow	\downarrow	0.874	Adopt Regional Target: 0.750
Number of Serious Injuries	105.6	101.6	+	ļ	465.4	Support State Target (approx. 95 regionally)
Serious Injury Rate per 100 Million VMT	3.876	3.786	↓	ļ	3.506	Support State Target
Non-Motorized Fatalities and Serious Injuries	13.0	12.0	+	ļ	38.0	Support State Target (approx. 10 regionally)

Measure 2: Projected SNHPC Fatality Rate



SNHPC 2022 Safety Performance Targets (Proposed)

Safety Measures

Number of Fatalities

Fatality Rate per 100 Million VMT

Number of Serious Injuries

Serious Injury Rate per 100 Million VMT

Non-Motorized Fatalities and Serious Injuries

State Target	Regional Target			
2	022	Action		
117.8	18.7	Support State Target		
0.874	<mark>0.750</mark>	Adopt Regional Target		
465.4	95.0	Support State Target		
3.506	3.506	Support State Target		
38.0	9.7	Support State Target		

SNHPC

Safety Performance Targets for 2022

What does it mean for SNHPC to adopt a Regional Target?

In setting a Regional Target for the Fatality Rate:

-The region has had a lower rate for three consecutive years and staff believes that the region will continue to have lower Fatality Rate than the State.

-The rate we are targeting -- .75 deaths per 100 million VMT, is where we are trending to be.

SNHPC will still:

-work with the State and safety stakeholders to address areas of concern for fatalities or serious injuries within the SNHPC metropolitan planning area;
-Coordinate with the State and include the safety performance measures and HSIP targets for all public roads in the metropolitan area in the SNHPC Long-Range Transportation Plan; and
- ... Integrate into the metropolitan transportation planning process, the safety goals, objectives, performance measures and targets described in other State safety transportation plans and processes such as applicable portions of the HSIP, including the Strategic Highway Safety Plan

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Questions?



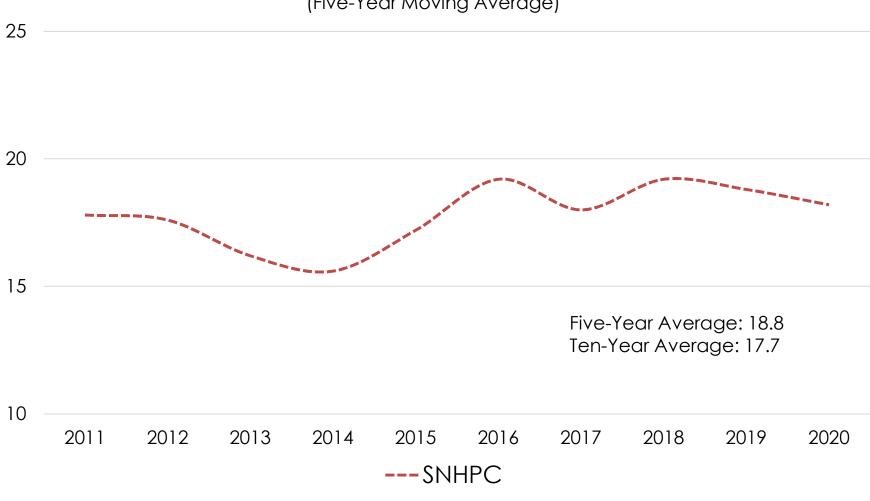
PM1: Safety Performance Measures

FAST Act requires DOTs to annually measure and report_performance in the following areas:

- Safety
- Pavement and bridge
- System performance/congestion
- Freight movement, and
- Congestion mitigation and air quality (CMAQ).



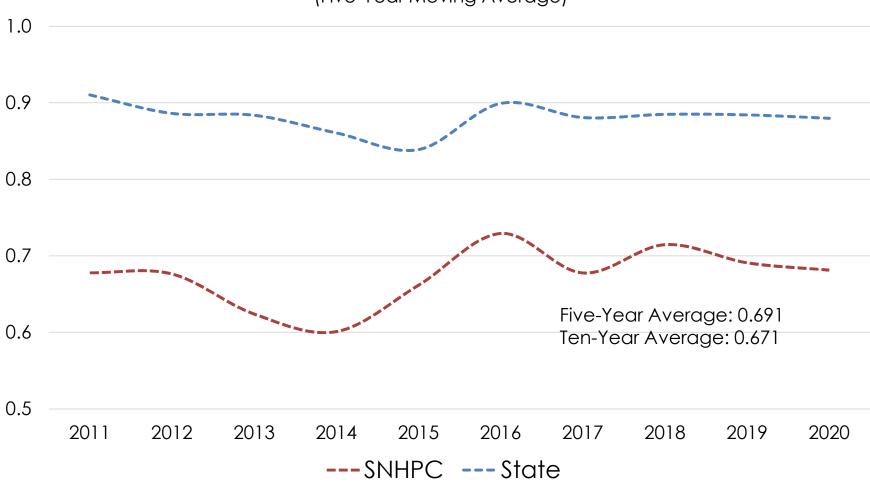
Measure 1: Number of Fatalities



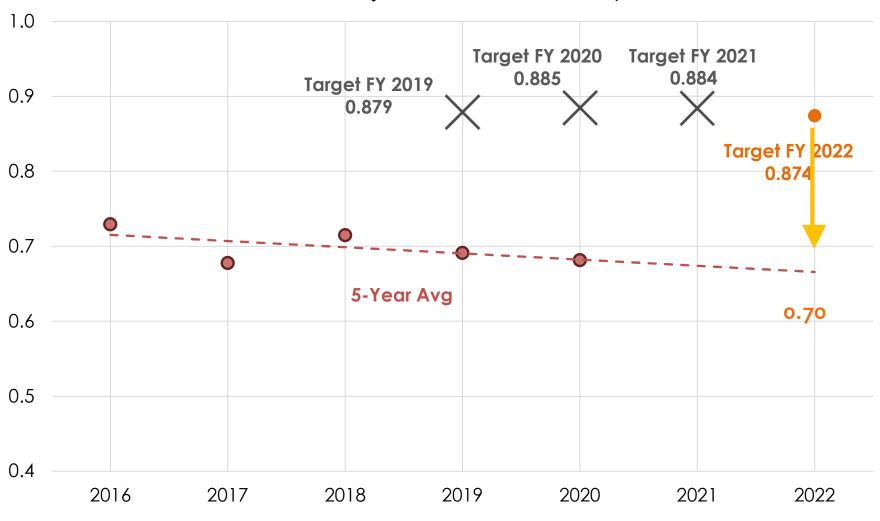
Measure 1: Projected Number of SNHPC Fatalities



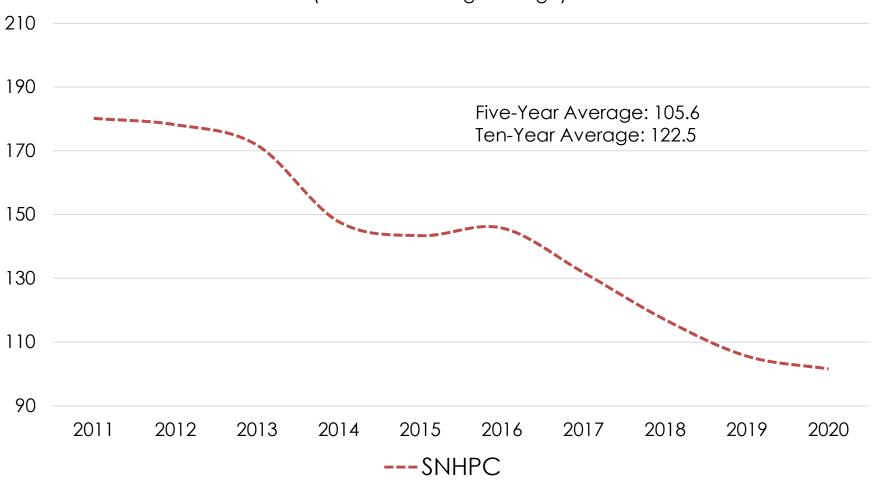
Measure 2: Fatality Rate



Measure 2: Projected SNHPC Fatality Rate



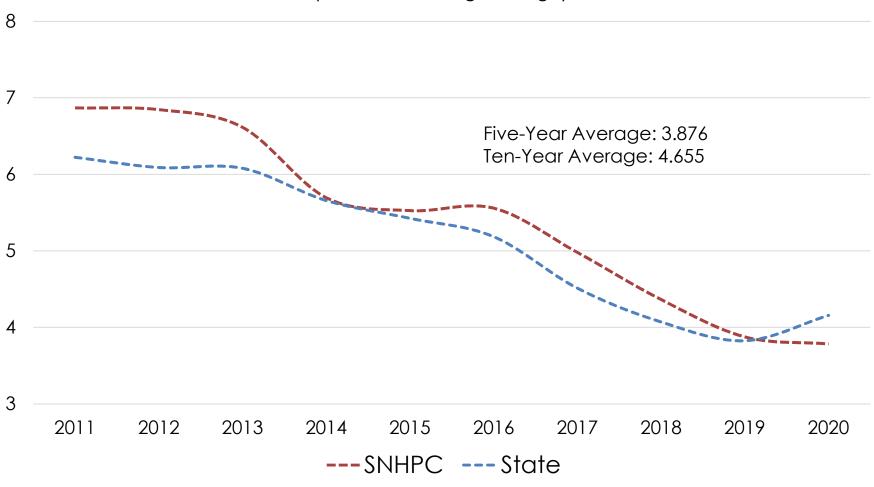
Measure 3: Number of Serious Injuries



Measure 3: Projected Number of SNHPC Serious Injuries



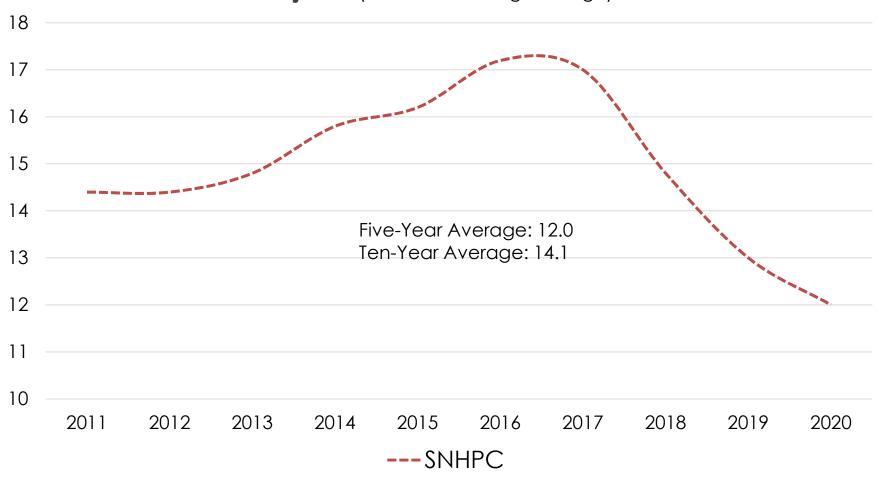
Measure 4: Serious Injury Rate



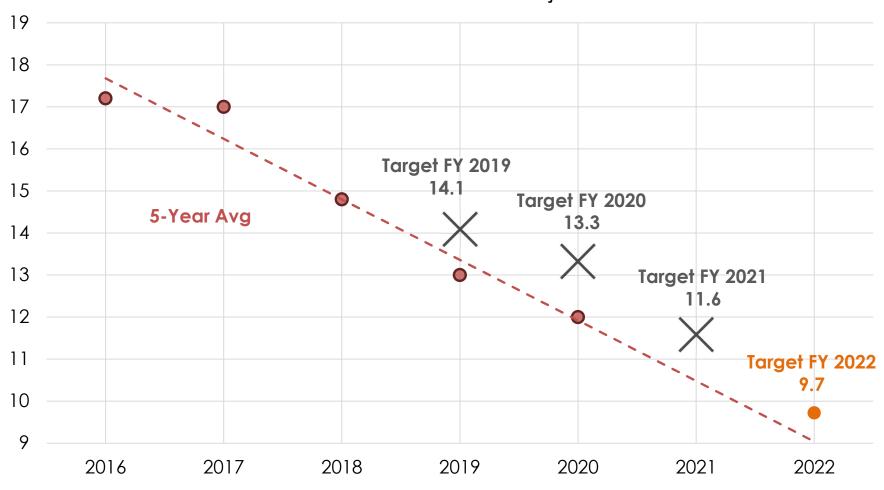
Measure 4: Projected SNHPC Serious Injury Rate



Measure 5: Number of Non-motorized Fatalities and Serious Injuries (Five-Year Moving Average)



Measure 5: Projected Number Non-motorized Fatalities and Serious Injuries



State-level 2022 Safety Performance Targets

State Five-Year Rolling

	Aver	Trends		State Target	
Safety Measures	2015-2019	2016-2020	Recent	Desired	2022 Target
Number of Fatalities	120.0	118.0	↓	↓	117.8
Fatality Rate per 100 Million VMT	0.884	0.880	\	ļ	0.874
Number of Serious Injuries	530.2	509.6	\	↓	465.4
Serious Injury Rate per 100 Million VMT	3.826	4.157	1	ļ	3.506
Non-Motorized Fatalities and Serious Injuries	56.0	48.6	↓	ļ	38.0

Safety Performance Targets for 2022

What does it mean for SNHPC?

For 2022, staff is recommending that the SNHPC again adopt the State of New Hampshire's Safety Performance Targets **EXCEPT** to set a Regional Target for Fatality Rate.

In supporting the State-level targets AND setting a Regional Target, the SNHPC will still be agreeing to:

- Work with the State and safety stakeholders to address areas of concern for fatalities or serious injuries within the SNHPC metropolitan planning area;
- Coordinate with the State and include the safety performance measures and HSIP targets for all public roads in the metropolitan area in the SNHPC Long-Range Transportation Plan; and
- Integrate into the metropolitan transportation planning (MTP) process, the safety goals, objectives, performance measures and targets described in other State safety transportation plans and processes such as applicable portions of the HSIP, including the Strategic Highway Safety Plan.