

# **Southern New Hampshire Planning Commission**

## ***CMAQ Mobile Source Carbon Monoxide Reduction Target***

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# Federally-Required Transportation Performance Measures



Federal regulations adopted in the **Moving Ahead for Progress in the 21<sup>st</sup> Century Act (MAP-21)** and continued in the **Fixing America's Surface Transportation Act (FAST Act)** require States and MPOs use performance measures to work toward specific targets in support of national goals for transportation management in all federally-funded programs.



# Federal Performance Measures Applicable to the SNHPC Region

## Safety

*Adopted by SNHPC 01/28/2020*

- *Number of Fatalities*
- *Rate of Fatalities*
- *Number of Serious Injuries*
- *Rate of Serious Injuries*
- *Number of Non-Motorized Fatalities and Serious Injuries*

## Bridge and Pavement Condition

*Adopted by SNHPC 10/23/2018*

- *% of Bridge Deck Area on the NHS in Good Condition*
- *% of Bridge Deck Area on the NHS in Poor Condition*
- *% of Pavement on the Interstate System in Good Condition*
- *% of Pavement on the Interstate System in Poor Condition*
- *% of Pavement on the non-interstate NHS in Good Condition*
- *% of Pavement on the non-interstate NHS in Poor Condition*



# Federal Performance Measures Applicable to the SNHPC Region

## System Performance

*Adopted by SNHPC 10/23/2018*

- *% of Reliable Person-Miles Traveled Time on the Interstate System*
- *% of Reliable Person-Miles Traveled Time on the non-Interstate System*
- *Truck Travel Time Reliability*

## Transit Asset Management

*Adopted by SNHPC on 6/27/2017*

- *% of Non-revenue, Support, or Maintenance Vehicles Meeting or Exceeding their Useful Life Benchmark*
- *% of Revenue Vehicles by Asset Class Meeting or Exceeding their Useful Life Benchmark*
- *% of Facilities Rated Below 3.0 of the FTA TERM Scale*



# Federal Performance Measures Applicable to the SNHPC Region


## CMAQ Mobile Source Emissions Reduction Target for Carbon Monoxide (CO)

***Not Yet Adopted by SNHPC***

- This measure is applicable to the SNHPC region because the City of Manchester is a “Limited Maintenance Plan” area for CO under federal air quality regulations.
- We anticipate that the City of Manchester’s designation as a “Limited Maintenance Plan” area for CO will terminate on January 29, 2021 and this performance measure will no longer apply.



# CMAQ Emissions Reduction Target in the SNHPC Region

- Federal rules allow MPOs two options in establishing a CMAQ emissions reductions target for CO:
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- **Option #1:** MPOs may establish their own region-specific numerical targets.
  - **Option #2:** MPOs may support the State-level performance targets.

Because the State target considers projects/emissions reductions from the City of Nashua (also a Limited Maintenance Plan” area for CO), staff is recommending that the SNHPC adopt a region-specific target based on pending CMAQ projects in the City of Manchester.



# CMAQ Emissions Reduction Target in the SNHPC Region

Manchester, NH CMAQ Projects	CO Reduction (kg/day)
Construct South Manchester Rail Trail from Gold St. to Perimeter Road	No CO Reduction Claimed
Implement an Adaptive Signal Control System on Granite St. and Upgrade Signal Performance on South Willow Street	66.547
Construct a Northbound Right Turn Lane and Modify Lane Utilization at the South Willow Street/Weston Road Intersection	2.078
Construct a Roundabout at the River Road/Bicentennial Drive Intersection	0.608
<b>Proposed Regional CMAQ Emissions Reduction Target for CO</b>	<b>69.233</b>



**Questions?**