

PERFORMANCE BASED PLANNING & PROGRAMMING

Traffic Congestion and On-Road Emissions Reduction Performance Targets

Eric Randall, TPB Engineer

TPB Technical Committee
June 1, 2018



Contents of Presentation

- Performance Measures Table
 - Draft Performance Targets
 - Traffic Congestion
 - On road Emissions Reduction
 - Next Steps
- } Collectively called: *CMAQ Program*



System Performance: CMAQ Program (Congestion Mitigation and Air Quality)

	Performance Measures
CMAQ Program: Traffic Congestion	Peak Hour Excessive Delay (PHED) – Annual hours of peak hour excessive delay per capita
	Mode Share - Percent of Non-SOV Travel on the National Highway System (NHS)
CMAQ Program: Emissions Reduction	Emissions Reduction - CMAQ-funded projects on-road mobile source total emission reductions for each applicable criteria pollutant and precursor



Traffic Congestion Measures & Draft Targets

Measures: *

- **Peak Hour Excessive Delay (PHED):**
Annual hours of peak hour excessive delay per capita
- **Mode Share (Non-SOV):**
Percent of Non-SOV Travel on the National Highway System (NHS)

Targets:

Performance Measures for the Washington DC-MD-VA Urbanized Area	CY 2018 - 2019 Two Year Target	CY 2018 - 2021 Four Year Target
Peak Hour Excessive Delay (PHED)	Not Required	26.7 Hours**
Mode Share (Non-SOV)	36.9%	37.2%

*Prescribed by FHWA rulemaking on System Performance: Highway and Freight, Congestion Mitigation and Air Quality (CMAQ), published on January 18, 2017, with an effective date of May 20, 2017.

**Updated as of May 21, 2018



Emissions Reduction Measures & Draft Targets

Measures: Total Emissions Reduction per day *

Of applicable criteria pollutants from on-road projects receiving federal CMAQ funds

Targets: **

Total Emissions Reductions for the TPB portion of the Washington DC-MD-VA nonattainment area		FFY 2018 - 2019	FFY 2018 - 2021
		Two Year Target	Four Year Target
	Volatile Organic Compounds (VOCs)	1.8376 Kg/Day	2.1950 Kg/Day
	Nitrogen Oxides (NOx)	4.0194 Kg/Day	4.7026 Kg/Day

* Prescribed by FHWA rulemaking on System Performance: Highway and Freight, Congestion Mitigation and Air Quality (CMAQ), published on January 18, 2017, with an effective date of May 20, 2017.

** MPO targets reflect the anticipated cumulative emissions reduction reported by MDOT, VDOT, and DDOT for the region



Next Steps

- Receive any comments on draft targets
- TPB adopts targets on June 20, 2018
- Coordinate with FAMPO and BRTB on approval of UZA targets
- Complete the MPO CMAQ Performance Plan with MPO targets and submit to State DOTs by September
- State DOTs submit their Baseline Performance Period Report with the CMAQ targets and the MPO CMAQ Performance Plan to FHWA by October 1, 2018



Eric Randall

TPB Engineer

(202) 962-3254

erandall@mwkog.org

mwkog.org/tpb

Metropolitan Washington Council of Governments

777 North Capitol Street NE, Suite 300

Washington, DC 20002



National Capital Region
Transportation Planning Board