

Midpoint Report and Update to 4-year Targets for On-road Mobile Source Emissions

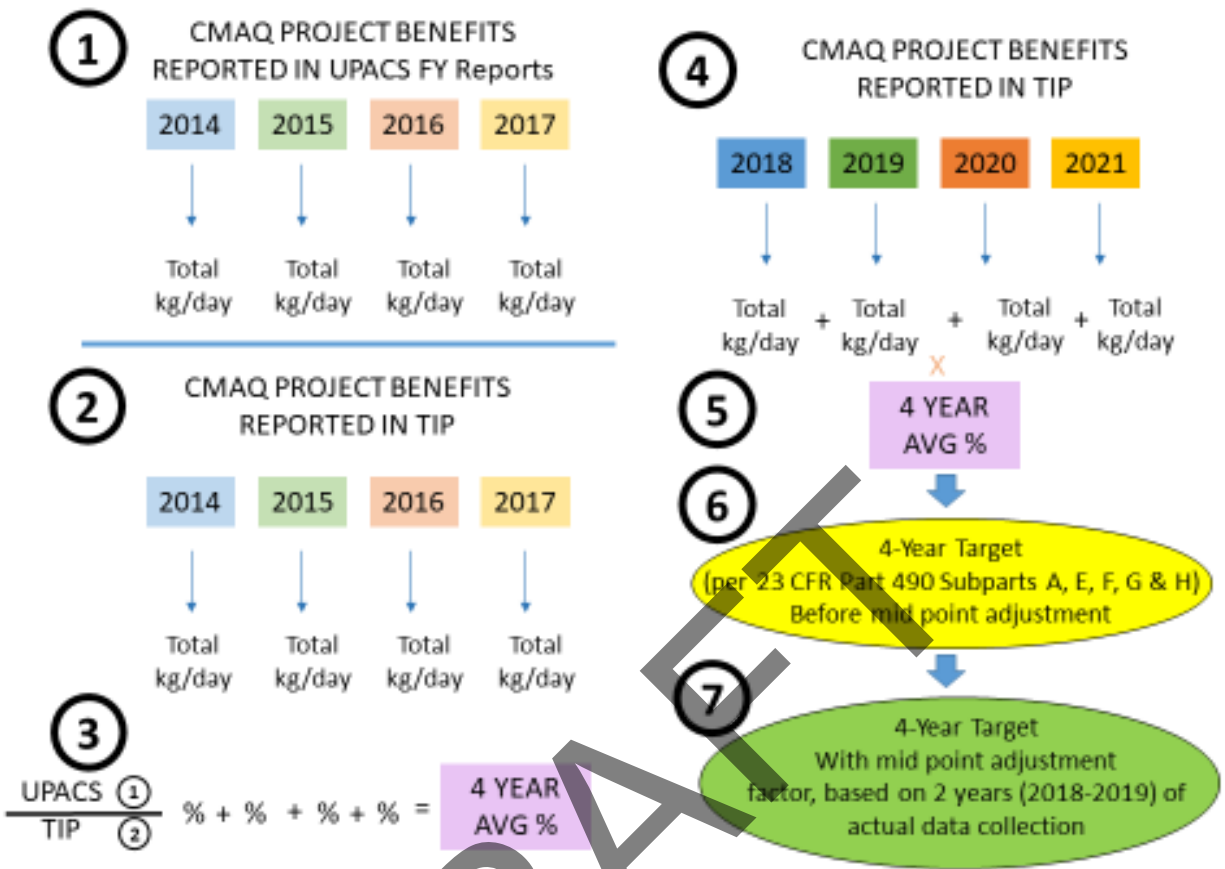
The El Paso Metropolitan Planning Organization (EPMPO) is required to establish targets and report progress for the performance measures related to the Congestion Mitigation and Air Quality (CMAQ) program as established in 23 CFR Part 490 (§ 490.707 and § 490.807) for on-road mobile source emissions.

MPOs that contain all or part of any one or more area(s) designated as nonattainment or maintenance for ozone (O₃), carbon monoxide (CO), or particulate matter (PM-10 and PM-2.5) National Ambient Air Quality Standards (NAAQS) are required to set targets for the on-road mobile source emissions measure (23 CFR 490.105(f)(6) and 490.803). The first performance period for the on-road mobile source emissions measure is October 1, 2017-September 30, 2021.

The list of urban areas in the United States as defined by the United States Census Bureau, ordered according to their 2010 census populations ranks El Paso urbanized area as 53rd with a population of 803,086. For the first performance period the EPMPO is not subject to 2-year targets or the requirement of a CMAQ Performance Plan, due to the threshold of population of greater than 1 million.

The methodology illustrated on the next page has been mutually agreed on by the Texas Department of Transportation (TxDOT) and the EPMPO to report and develop 2-year and 4-year targets for applicable pollutants, in this case CO and PM-10, to support the state of Texas' on-road mobile source emissions targets. The methodology compares CMAQ project emissions from the Federal Highway Administration's User Profile and Access Control System (UPACS) and the EPMPO Transportation Improvement Program (TIP) using historical data in 2014-2017 to develop a basis for the on-road mobile source emissions targets, and to report on previously established 2-year targets (2018-2019) and update previously established 4-year targets (2018-2021).

It should be noted that the original performance period analysis developed back in 2018, 2-year targets used 2019-2020, and 4-year targets used 2019-2022.



Mid-point 4-year targets and methodology have been updated (23 CFR Part 490 Subparts A, E, F, G & H) due to more reliable data available in 2018 and 2019 for CO and PM-10. Specifically, PM-10 data was lacking in the original target development, which used historical data from 2014-2017. The established baseline for the updated 4-year targets, which relies historical data from 2014-2017 will remain the same. Now that the first two years, 2018-2019, of the first performance period are available in UPACS, the EPMPO is updating the 4-year targets and recommending these targets to TxDOT to use for the the state of Texas' on-road mobile source emissions for CO and PM-10

Below are the original 2-year and 4-year targets, followed by the estimated 2-year condition midpoint report, followed by updated midpoint 4-year targets.

The original 2-year targets for on-road mobile source emissions:

- 434.93 kg/day for Carbon Monoxide (CO)
- 4.73 kg/day for Particulate Matter less than or equal to 10 microns (PM-10)

The original 4-year targets for on-road mobile source emissions:

- 891.11 kg/day for Carbon Monoxide (CO)
- 13.71 kg/ day for Particulate Matter less than or equal to 10 microns (PM-10)

Baseline is 580.24 for CO and 0.97 for PM-10

Estimated 2-year condition midpoint report (FHWA will provide actual 2018-2019 midpoint condition report) for on-road mobile source emissions:

- 490.75 kg/day for Carbon Monoxide (CO)
- 11.37 kg/day for Particulate Matter less than or equal to 10 microns (PM-10)

Updated midpoint 4-year targets for on-road mobile source emissions:

- 841.62 kg/day for Carbon Monoxide (CO)
- 21.96 kg/ day for Particulate Matter less than or equal to 10 microns (PM-10)

Baseline remains at 580.24 for CO and 0.97 for PM-10

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