



STAFF REPORT
Board Meeting of May 17, 2023

AGENDA ITEM: 4-J

PREPARED BY: Evelyn Espinosa, Senior Regional Planner

SUBJECT:

System Performance Management (PM) 3 Targets 2022

Enclosure: Yes

Action: Approve the support of the California Department of Transportation 2022 Statewide System Performance Management (PM3) Targets

SUMMARY:

On January 18, 2017, the Federal Highway Administration (FHWA) published a final rule in the Federal Register (82 FR 5970) that established performance measures that State Departments of Transportation (DOTs) and Metropolitan Planning Organizations (MPOs) will use to report on the performance of the Interstate and Non-Interstate National Highway System (NHS) to carry out the National Highway Performance Program (NHPP); freight movement on the Interstate system to carry out the National Highway Freight Program (NHFP); and traffic congestion and on-road mobile source emissions for the purpose of carrying out the Congestion Mitigation and Air Quality Improvement (CMAQ) Program. The rule addressed requirements established by the Moving Ahead for Progress in the 21st Century Act (MAP-21), and included six national performance measures related to System Performance, as follows:

- Percent of Reliable Person-Miles Traveled on the Interstate;
- Percent of Reliable Person-Miles Traveled on the Non-Interstate NHS;
- Percent of Interstate System Mileage Providing Reliable Truck Travel Time (Truck Travel Time Reliability Index);
- Total Emissions Reductions by Applicable Pollutants under the CMAQ Program;
- Annual Hours of Peak-Hour Excessive Delay per Capita (PHED); and
- Percent of Non-single Occupancy Vehicle (Non-SOV) Travel.

For the Madera County Planning Area, only two of the six performance measures are applicable:

- Percent of Reliable Person-Miles Traveled on the Non-Interstate NHS
- Total Emissions Reductions by Applicable Pollutants under the CMAQ Program.

Table 1 shows the State's Final targets which were ultimately established based on an iterative process and much coordination between Caltrans, MPOs, CALCOG, and the California State Transportation Agency.

Table 1 State Targets.

Performance Measure	2021 Baseline Data	2-year Target	4-year Target
Percent of Reliable Person-Miles Traveled on the Interstate: (Medium)	73.8%	74.3% (+0.5%)	74.8% (+1%)
Percent of Reliable Person-Miles Traveled on the Non-Interstate NHS1 (Medium)	83.7%	84.2% (+0.5%)	84.7% (+1%)
Percentage of Interstate System Mileage Providing Reliable Truck Travel Time (Truck Travel Time Reliability Index)1 (Low)	1.60	1.60 (no proposed change)	1.60 (no proposed change)
Total Emissions Reductions by Applicable Pollutants under the CMAQ Program ²	CMAQ Public Access System Cumulative (2018-2021 for Baseline)	Historical Emission Reduction Trends 2-year Target	Historical Emission Reduction Trends 4year Target
VOC (kg/day)	2,551.00	2862.00	5724.00
CO (kg/day)	21,771.00	12798.00	25596.00
NOx (kg/day)	7,213.00	4317.00	8635.00
PM10 (kg/day)	3,830.00	2152.00	4305.00
PM2.5 (kg/day)	1,537.00	1830.00	3659.00
*Annual Hours of Peak-Hour Excessive Delay Per Capital	State and MPO must coordinate on a single, unified 2-year 4-year target.		
Sacramento UA (Low)	9.0 Hours	9.0 Hours	9.0 Hours
Antioch UA (Medium)	6.5 Hours	6.5 Hours	6.4 Hours
Concord UA (Medium)	16.0 Hours	15.9 Hours	15.8 Hours
San Jose UA (Medium)	13.7 Hours	13.4 Hours	13.2 Hours
Santa Rosa UA (Medium)	6.6 Hours	6.6 Hours	6.5 Hours
San Francisco-Oakland UA (Medium)	18.3 Hours	17.9 Hours	17.6 Hours
Fresno UA (Medium)	6.5 Hour	6.5 Hours	6.4 Hours
Bakersfield UA (Medium)	9.6 Hours	9.6 Hours	9.5 Hours
Modesto UA (Low)	8.1 Hours	8.1 Hours	8.1 Hours
Stockton UA (Low)	8.0 Hours	8.0 Hours	8.0 Hours
Visalia UA (Medium)	7.3 Hours	7.3 Hours	7.3 Hours
San Diego (Low)	11.9 Hours	11.9 Hours	11.9 Hours
Indio-Cathedral City UA (Low)	6.4 Hours	6.4 Hours	6.4 Hours
Lancaster-Palmdale UA (Low)	4.3 Hours	4.3 Hours	4.3 Hours
Los Angeles-Long Beach-Anaheim UA (Low)	32.7 Hours	32.7 Hours	32.7 Hours
Mission Viejo-Lake Forest-San Clemente UA (Low)	9.4 Hours	9.4 Hours	9.4 Hours
Murrieta-Temecula-Manifee UA (Low)	9.2 Hours	9.2 Hours	9.2 Hours
Oxnard UA (Low)	11.1 Hours	11.1 Hours	11.1 Hours
Santa Barbara UA (Low)	13.4 Hours	13.4 Hours	13.4 Hours
Santa Clarita UA (Low)	11.5 Hours	11.5 Hours	11.5 Hours

MCTC Staff recommends supporting the 2022 Statewide System Performance Management (PM3) Targets.

FISCAL IMPACT:

No fiscal impact to the approved 2022-23 Overall Work Program and Budget.