

PROPOSED

State of California
AIR RESOURCES BOARD

**UPDATED TRANSPORTATION CONFORMITY BUDGETS
FOR THE SAN JOAQUIN VALLEY OZONE, PM2.5, AND PM10
STATE IMPLEMENTATION PLANS**

Resolution 15-50

October 22, 2015

Agenda Item No.: 15-8-4

WHEREAS, the Legislature in Health and Safety Code section 39602 has designated the State Air Resources Board (ARB or Board) as the air pollution control agency for all purposes set forth in federal law;

WHEREAS, ARB is responsible for preparing the State Implementation Plan (SIP) for attaining and maintaining the national ambient air quality standards (NAAQS) as required by the federal Clean Air Act (the Act; 42 U.S.C. section 7401 et seq.), and to this end is directed by Health and Safety Code section 39602 to coordinate the activities of all local and regional air pollution control and air quality management districts (districts) necessary to comply with the Act;

WHEREAS, Health and Safety Code section 39602 also provides that the SIP shall include only those provisions necessary to meet the requirements of the Act;

WHEREAS, ARB has responsibility for ensuring that the districts meet their responsibilities under the Act pursuant to Health and Safety Code sections 39002, 39500, 39602, and 41650;

WHEREAS, ARB is authorized by Health and Safety Code section 39600 to do such acts as may be necessary for the proper execution of its powers and duties;

WHEREAS, Health and Safety Code sections 39515 and 39516 provide that any duty may be delegated to the Board's Executive Officer as the Board deems appropriate;

WHEREAS, the San Joaquin Valley Air Basin includes Fresno, Kings, Madera, Merced, San Joaquin, Stanislaus, Tulare, and western Kern Counties;

WHEREAS, the eight metropolitan planning organizations in the San Joaquin Valley are the regional transportation planning agencies in each of the eight counties, and have responsibility for preparing transportation control measures and strategies for the purpose of reducing motor vehicle emissions;

WHEREAS, the Act requires that the SIPs for nonattainment areas include transportation conformity emission budgets to ensure that federally supported highway and transit activities are consistent with the SIP;

WHEREAS, in November 1990, amendments to the Clean Air Act designated the San Joaquin Valley nonattainment for the 1987 24-hour and annual coarse particulate matter (PM₁₀) national ambient air quality standards (NAAQS) by operation of law;

WHEREAS, in July 1997, the United States Environmental Protection Agency (U.S. EPA) promulgated 24-hour and annual NAAQS for fine particulate matter (PM_{2.5});

WHEREAS, effective April 5, 2005, U.S. EPA designated the San Joaquin Valley Air Basin as nonattainment for the PM_{2.5} NAAQS;

WHEREAS, in July 1997, U.S. EPA promulgated an 8-hour ozone NAAQS;

WHEREAS, the San Joaquin Valley is designated as an extreme nonattainment area for the 1997 8-hour ozone NAAQS;

WHEREAS, U.S. EPA SIP implementation regulations and guidance require that SIPs include air quality and emissions data, a control strategy, a modeled attainment or maintenance demonstration, rate of progress (RFP) milestones, conformity emission budgets, reasonably available control measure/ reasonably available technology (RACM/RACT) demonstration, and contingency measures;

WHEREAS, on September 20, 2007, the Governing Board of the San Joaquin Valley Air Pollution Control District (District) adopted the 2007 PM₁₀ Maintenance Plan and Request for Re-designation (2007 PM₁₀ Plan);

WHEREAS, on October 25, 2007, the Board approved the 2007 PM₁₀ Plan as a revision to the California SIP;

WHEREAS, November 12, 2008, U.S. EPA approved the 2007 PM₁₀ Plan as a revision to the California SIP;

WHEREAS, on April 30, 2007, the District adopted the 2007 Ozone Plan;

WHEREAS, on June 14, 2007, the Board approved the District's 2007 Ozone Plan as a revision to the California SIP;

WHEREAS, on March 1, 2012, U.S. EPA approved the 2007 Ozone Plan as a revision to the California SIP;

WHEREAS, on December 20, 2012, the District adopted the 2012 PM2.5 Plan;

WHEREAS, on January 24, 2013, the Board approved the District's 2012 PM2.5 Plan as a revision to the California SIP;

WHEREAS, on January 13, 2015, U.S. EPA proposed approval of the 2012 PM2.5 Plan as a revision to the California SIP;

WHEREAS, the 2007 PM10 Plan, 2007 Ozone Plan, and the 2012 PM2.5 Plan contain transportation conformity emissions budgets consistent with the demonstrations of progress and attainment or maintenance in their respective plans;

WHEREAS, the transportation conformity budgets in the 2007 PM10, 2007 Ozone, and 2012 PM2.5 plans were developed using the most current emission rates and assumptions available at the time the plans were developed;

WHEREAS, ARB staff released EMFAC 2014 which updated the emission rates and assumptions that were used in transportation conformity budgets;

WHEREAS, ARB staff prepared updated the transportation conformity budgets for the 2007 PM10, 2007 Ozone, and 2012 PM2.5 plans using EMFAC 2014 so that the budgets would be based on the most up to date information;

WHEREAS, ARB staff proposed updated transportation conformity budgets for the 2007 PM10, 2007 Ozone, and 2012 PM2.5 plans, which remain consistent with the demonstrations of progress and attainment or maintenance in their respective plans, and included these updates in a staff report released with a notice for public review on September 21, 2015;

WHEREAS, federal law set forth in section 110(I) of the Act and Code of Federal Regulations (CFR), title 40, section 51.102, requires that one or more public hearings, preceded by at least 30 days notice and opportunity for public review, must be conducted prior to the adoption and submittal to the U.S. EPA of any SIP revision; and

NOW, THEREFORE, BE IT RESOLVED that the Board hereby approves the Updates to the Transportation Conformity Budgets for the San Joaquin Valley 2007 PM10, 2007 Ozone and 2012 PM2.5 SIPs, set forth in Attachment A, as a revision to the California SIP.

BE IT FURTHER RESOLVED that the Board hereby directs the Executive Officer to forward the Updates to the Transportation Conformity Budgets for the San Joaquin Valley 2007 PM10, 2007 Ozone, and 2012 PM2.5 SIPs as approved to U.S. EPA for inclusion in the SIP to be effective, for purposes of federal law, upon a finding of adequacy or approval by U.S. EPA.

BE IT FURTHER RESOLVED that the Board directs the Executive Officer to work with U.S. EPA and take appropriate action to resolve any completeness or approvability issues that may arise regarding the SIP submission.

BE IT FURTHER RESOLVED that the Board authorizes the Executive Officer to include in the SIP submittal any technical corrections, clarifications, or additions that may be necessary to secure U.S. EPA approval.

BE IT FURTHER RESOLVED that the Board hereby certifies pursuant to 40 CFR section 51.102 that the Updates to the Transportation Conformity Budgets for the San Joaquin Valley 2007 PM10, 2007 Ozone, and 2012 PM2.5 SIPs were adopted after notice and public hearing as required by CFR, title 40, section 51.102.

Attachment A to Resolution 15-50

Updates to the Transportation Conformity Budgets for the San Joaquin Valley 2007 PM10, 2007 Ozone and 2012 PM2.5 SIPs

Table A-1. Updated Transportation Conformity Budgets for the 2008 Ozone Plan (Tons per summer day)*

County Subarea	2017		2020		2023	
	ROG	NOx	ROG	NOx	ROG	NOx
Fresno	8.7	29.9	6.8	24.3	5.6	14.6
Kern (SJV)	6.9	26.8	5.7	22.4	4.8	12.9
Kings	1.4	5.5	1.1	4.7	0.9	2.7
Madera	2.0	5.5	1.6	4.5	1.3	2.7
Merced	2.7	10.3	2.1	8.5	1.7	5.1
San Joaquin	6.4	14.1	5.1	11.3	4.3	7.3
Stanislaus	4.1	11.3	3.2	9.2	2.7	5.8
Tulare	4.0	10.3	3.1	8.1	2.5	4.9

*Budgets are rounded up to the nearest tenth ton (0.1).

Table A-2. Updated Transportation Conformity Budgets for the 2012 PM2.5 Plan (Tons per winter day)*

County Subarea	2017	
	PM2.5	NOx
Fresno	1.0	32.1
Kern (SJV)	0.8	28.8
Kings	0.2	5.9
Madera	0.2	6.0
Merced	0.3	11.0
San Joaquin	0.6	15.5
Stanislaus	0.4	12.3
Tulare	0.4	11.2

*Budgets are rounded up to the nearest tenth ton (0.1).

Table A-3. Updated Transportation Conformity Budgets for the 2008 PM10 Maintenance Plan (Tons per annual day)*

County Subarea	2020	
	PM10	NOx
Fresno	7.0	25.4
Kern (SJV)	7.4	23.3
Kings	1.8	4.8
Madera	2.5	4.7
Merced	3.8	8.9
San Joaquin	4.6	11.9
Stanislaus	3.7	9.6
Tulare	3.4	8.4

*Budgets are rounded up to the nearest tenth ton (0.1).