

**Updates to Transportation Conformity Budgets for the San Joaquin
Valley 2012 PM2.5 Plan**

October 20, 2014

Date to be considered: November 20, 2014

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DESCRIPTION OF THE PROPOSED REVISIONS

The federal Clean Air Act (the Act) establishes planning requirements for those areas that routinely exceed the health-based National Ambient Air Quality Standards. These nonattainment areas must develop and implement a State Implementation Plan (SIP) that demonstrates how they will attain the standards by specified dates. The San Joaquin Valley Air Basin was designated nonattainment for the 35 µg/m³ 24-hour PM_{2.5} standard in 2009.

In December 2012, the San Joaquin Valley Air Pollution Control District (District) adopted a State Implementation Plan (SIP) for the 35 µg/m³ 24-hour PM_{2.5} standard (2012 PM_{2.5} Plan). The 2012 PM_{2.5} Plan was developed to meet requirements of the Act including requirements to demonstrate reasonable further progress (RFP) toward attainment of the standard. The 2012 PM_{2.5} Plan also contains transportation conformity budgets as required by the Act. In January 2013, the Board approved the 2012 PM_{2.5} Plan.

The transportation conformity budgets in the 2012 PM_{2.5} Plan included the benefits of incentive programs and the District employee trip reduction rule. Those same benefits were not included in the plan's RFP demonstration because the region was able to show RFP without them. U.S. EPA has requested that the State remove the benefits of incentive programs and the employee trip reduction rule from the transportation conformity budgets so that they are consistent with the plan's RFP demonstration. Appendix A to this report contains two tables. The first is an update to Table C-4 in the 2012 PM_{2.5} Plan that reflects the updated conformity budgets in 2014 and 2017 for each of the San Joaquin Valley counties. The second table provides details for how the budgets were calculated.

PROPOSED ACTION

Staff recommends that the Board approve the updates to the transportation conformity budgets for the San Joaquin Valley as contained in the revised Table C-4. If approved, the updated transportation conformity budgets will be submitted to U.S. EPA as a revision to the California SIP for U.S. EPA to use in its review of the 2012 PM_{2.5} Plan.

APPENDIX A

Table C-4 Transportation Conformity Budgets*
(tons per winter season day)

County	2014		2017	
	PM2.5	NOx	PM2.5	NOx
Fresno	1.0	31.6	0.9	25.2
Kern (SJV)	1.2	43.2	1.0	34.4
Kings	0.2	8.8	0.2	7.2
Madera	0.3	8.7	0.2	7.0
Merced	0.5	17.2	0.4	13.7
San Joaquin	0.7	20.0	0.6	15.9
Stanislaus	0.5	15.1	0.5	12.0
Tulare	0.5	14.3	0.4	10.7

*Budgets for 2019 are not included here because 2019 is not a reasonable further progress milestone year for a nonattainment area classified as moderate. The San Joaquin Valley Air Pollution Control District Board approved a request for a serious classification on September 18, 2014.

San Joaquin Valley Draft 24-Hour PM2.5 Motor Vehicle Emissions Budgets
(tons per winter season day)

* Established by conventional rounding.

2014 Motor Vehicle Emissions Budgets

2013 FTIP MPO new activity data adjusted for recession

County	Fresno		Kern		Kings		Madera		Merced		San Joaquin		Stanislaus		Tulare		San Joaquin Valley Air Basin	
	PM2.5	NOx	PM2.5	NOx	PM2.5	NOx	PM2.5	NOx	PM2.5	NOx	PM2.5	NOx	PM2.5	NOx	PM2.5	NOx	PM2.5	NOx
Baseline EMFAC2011	1.03	31.74	1.19	43.28	0.23	8.86	0.25	8.79	0.48	17.28	0.68	20.12	0.49	15.21	0.45	14.37		
AB1493	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Smog Check	0.00	-0.16	0.00	-0.14	0.00	-0.03	0.00	-0.05	0.00	-0.07	0.00	-0.12	0.00	-0.10	0.00	-0.09		
ACC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Total	1.03	31.58	1.19	43.13	0.23	8.83	0.25	8.74	0.48	17.21	0.68	20.00	0.49	15.11	0.45	14.27	4.80	158.87
Air Basin Total																	4.9	159
Disaggregated County Totals	1.047	31.602	1.218	43.168	0.234	8.835	0.259	8.744	0.488	17.224	0.691	20.018	0.499	15.123	0.463	14.286		
Budget	1.0	31.6	1.2	43.2	0.2	8.8	0.3	8.7	0.5	17.2	0.7	20.0	0.5	15.1	0.5	14.3	4.9	159.0

2017 Motor Vehicle Emissions Budgets

2013 FTIP MPO new activity data adjusted for recession

County	Fresno		Kern		Kings		Madera		Merced		San Joaquin		Stanislaus		Tulare		San Joaquin Valley Air Basin	
	PM2.5	NOx	PM2.5	NOx	PM2.5	NOx	PM2.5	NOx	PM2.5	NOx	PM2.5	NOx	PM2.5	NOx	PM2.5	NOx	PM2.5	NOx
Baseline EMFAC2011	0.94	25.30	1.04	34.44	0.20	7.17	0.23	7.03	0.42	13.78	0.63	16.00	0.46	12.14	0.40	10.80		
AB1493	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Smog Check	0.00	-0.15	0.00	-0.14	0.00	-0.03	0.00	-0.05	0.00	-0.06	0.00	-0.11	0.00	-0.09	0.00	-0.08		
ACC	-0.01	-0.07	-0.01	-0.06	0.00	-0.01	0.00	-0.02	0.00	-0.03	-0.01	-0.05	-0.01	-0.05	-0.01	-0.04		
Total	0.92	25.08	1.02	34.25	0.20	7.13	0.22	6.96	0.42	13.68	0.62	15.84	0.45	12.00	0.39	10.68	4.24	125.62
Air Basin Total																	4.3	126
Disaggregated County Totals	0.934	25.156	1.036	34.350	0.200	7.150	0.228	6.981	0.423	13.722	0.626	15.886	0.455	12.039	0.397	10.715		
Budget	0.9	25.2	1.0	34.4	0.2	7.2	0.2	7.0	0.4	13.7	0.6	15.9	0.5	12.0	0.4	10.7	4.3	126.0