

Changes to the ARB Staff Report Following October 22, 2013 Public Release

State of California
AIR RESOURCES BOARD

November 19, 2013

The following portions of the ARB Staff Report on the Proposed Revisions to the 8-Hour Ozone State Implementation Plan for the Sacramento Metropolitan's 8-Hour Ozone Nonattainment Area (Sacramento Nonattainment Area) are corrected as discussed below. The original report tables, with added data shown in underline font and removed data in ~~strikethrough~~ font, follow.

- 1) The Reasonable Further Progress (RFP) table in Appendix D is revised to reflect recently refined accounting for Emission Reduction Credits (ERC), and corresponding revision to the RFP calculations
- 2) Two tables in the Staff Report's Appendix E are revised to clarify the Sacramento Nonattainment Area's transportation conformity budgets. The revised tables clearly identify emission reductions attributed to statewide emission reduction strategies, which are collectively identified as "Adjustments to Baseline" in Appendix F, "Motor Vehicle Emission Budgets and VMT Analysis," to the locally adopted Sacramento Regional 8-Hour Ozone Attainment and Reasonable Further Progress Plan – 2013 SIP Revisions.

Table D1: Sacramento Nonattainment Area Reasonable Further Progress Demonstration

	2002	2014	2017	2018
Baseline ROG	146.7	106.0	100.0 99.9	98.7
CA MVCP/RVP Adjustment	0.0	10.9	11.9	12.2
RACT Corrections	0	0	0	0
Adjusted 2002 Baseline ROG in milestone year	146.7	135.8	134.8	134.4 134.5
RFP commitment for ROG reductions from new measures	0	0	0	0
Future Year ROG with existing and proposed measures		106.0	100.0 99.9	98.7
Required % change since previous milestone year (ROG or NOx) compared to 2002		9%	9%	3%
Target ROG levels		91.4 91.5	82.3	79.5
Apparent shortfall in ROG		14.5	17.7 17.6	19.3 19.2
Apparent shortfall in ROG, %		10.7%	13.1 13.0 %	14.3%
ROG shortfall previously provided by NOx substitution, %		0.0%	10.7%	13.1 13.0 %
Actual ROG shortfall, %		10.7%	2.4 2.3 %	1.2%
Baseline NOx	164.8	92.6	80.0	76.9
CA MVCP Adjustment	0.0	10.4	11.0	11.2
Adjusted 2002 Baseline NOx in milestone year	164.8	154.3 154.4	153.7 153.8	153.5 153.6
RFP commitment for NOx reductions from new measures	0	0	0	0.0
Change in NOx since 2002		61.8	73.7 73.8	76.7
Change in NOx since 2002, %		40.0%	47.9 48.0 %	49.9%
NOx reductions since 2002 already used for RFP substitution and contingency through last milestone year, %		0.0%	13.7%	16.4 16.0 %
NOx reductions since 2002 available for RFP substitution and contingency in this milestone year, %		40.0%	34.2 34.3 %	33.8 33.9 %
Change in NOx since 2002 used for ROG substitution in this milestone year, %		10.7%	2.4 2.3 %	1.2%
Change in NOx since 2002 available for contingency in this milestone year, %		3.0%	3.0%	3.0%
Change in NOx since 2002 surplus after meeting substitution and contingency needs in this milestone year, %		26.3%	31.8 31.9 %	32.6%
RFP shortfall, if any		0.0%	0.0%	0.0%
RFP Met?		YES	YES	YES
Contingency Met?		YES	YES	YES

Note: ROG and NOx baseline emissions have been rounded to 1 decimal point.

**Table E1: Sacramento Nonattainment Area NO_x Motor
Vehicle Baseline Emissions BudgetsAdjustments
Attributable to Statewide Strategies in tons per day**

	2014	2017	2018
- Baseline EMFAC2014	47.70	37.12	34.34
<u>Adjustments to Baseline</u>	<u>-2.15</u>	<u>-0.60</u>	<u>-0.66</u>
RFG	0.00	0.00	0.00
Prop 1B	-1.70	0.00	0.00
Moyer	-0.08	-0.04	-0.05
AB1493	-0.01	-0.01	-0.01
Smog Check	-0.37	-0.37	-0.33
ACC	0.00	-0.18	-0.28
- Safety Margin	3.00	2.00	3.00
- Total	48.55	38.51	36.67
- Rounded Total	49	39	37

**Table E2: Sacramento Nonattainment Area VOC Motor
Vehicle Baseline Emissions BudgetsAdjustments
Attributable to Statewide Strategies in tons per day**

	2014	2017	2018
- Baseline EMFAC2014	23.43	18.98	17.75
<u>Adjustments to Baseline</u>	<u>-2.63</u>	<u>-2.37</u>	<u>-2.26</u>
RFG	-1.87	-1.47	-1.31
Prop 1B	0.00	0.00	0.00
Moyer	0.00	0.00	0.00
AB1493	-0.11	-0.21	-0.25
Smog Check	-0.64	-0.57	-0.55
ACC	0.00	-0.12	-0.15
- Safety Margin	2.00	1.00	1.00
- Total	22.80	17.60	16.49
- Rounded Total	23	18	17