

APPENDIX

Revisions to Appendix A of the State Strategy for California's 2007 State Implementation Plan.

Listed in the tables that follow are updates to the on-road emission inventories that were contained in Appendix A to the State Strategy that was released on May 7, 2007. These revisions reflect the latest transportation activity data that was submitted by the Southern California Association of Governments and the Kern County Association of Governments in January 2008. Also in each table are the revised baseline adjustments. These baseline adjustments are applied to the on-road emissions inventory to reflect the reductions of measures that have been adopted but not included in EMFAC2007, the on-road emissions model. Note that there are no revisions for the Coachella Valley.

REVISIONS TO JANUARY 29, 2008 RELEASE

After these plans were posted on January 29, 2008, ARB staff discovered that some of the input data used by the on-road emissions estimation model, EMFAC, had been corrupted. This resulted in errors in emissions calculations affecting the inventories and transportation conformity budgets for Antelope Valley – Western Mojave Desert and Eastern Kern County. The table entries for these areas on the following pages reflect the corrected numbers.

Ventura County Revisions to Appendix A	ROG		NOx	
	Tons per Day		Tons per Day	
	2002	2009	2002	2009
On-Road Mobile				
LIGHT DUTY PASSENGER (LDA)	9.15	4.72	6.42	3.03
LIGHT DUTY TRUCKS - 1 (LDT1)	1.83	1.05	1.63	0.83
LIGHT DUTY TRUCKS - 2 (LDT2)	3.62	2.50	5.09	2.75
MEDIUM DUTY TRUCKS (MDV)	1.86	1.31	2.93	1.78
LIGHT HEAVY DUTY GAS TRUCKS - 1 (LHDV1)	1.39	0.53	2.27	1.04
LIGHT HEAVY DUTY GAS TRUCKS - 2 (LHDV2)	0.21	0.10	0.30	0.19
MEDIUM HEAVY DUTY GAS TRUCKS (MHDV)	0.50	0.23	0.51	0.31
HEAVY HEAVY DUTY GAS TRUCKS (HHDV)	0.20	0.10	0.53	0.28
LIGHT HEAVY DUTY DIESEL TRUCKS - 1 (LHDV1)	0.00	0.02	0.04	0.72
LIGHT HEAVY DUTY DIESEL TRUCKS - 2 (LHDV2)	0.02	0.02	0.75	0.56
MEDIUM HEAVY DUTY DIESEL TRUCKS (MHDV)	0.05	0.03	3.24	2.01
HEAVY HEAVY DUTY DIESEL TRUCKS (HHDV)	0.37	0.30	5.46	4.61
MOTORCYCLES (MCY)	0.85	0.97	0.14	0.23
HEAVY DUTY DIESEL URBAN BUSES (UB)	0.01	0.01	0.02	0.02
HEAVY DUTY GAS URBAN BUSES (UB)	0.00	0.00	0.07	0.07
SCHOOL BUSES (SB)	0.02	0.01	0.17	0.14
OTHER BUSES (OB)	0.03	0.02	0.09	0.08
MOTOR HOMES (MH)	0.11	0.05	0.43	0.31
On-Road Subtotal	20.22	11.97	30.09	18.96

Summary of Baseline Adjustments for 2009

Adjusted to Reflect New Activity Data

Reductions in Tons per day

Measure	ROG	NOx
HHDD Trucks	0.00	0.00
Reflash	0.00	-0.14
Public Fleet	0.00	0.00
Idling	0.00	-0.21
AB 1493	0.00	0.00
Moyer	-0.01	-0.15

Summary of on-road adjustments	-0.01	-0.51
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Imperial County Revisions to Appendix A	ROG		NOx	
	Tons per Day		Tons per Day	
On-Road Mobile	2002	2009	2002	2009
LIGHT DUTY PASSENGER (LDA)	4.06	2.81	2.98	2.12
LIGHT DUTY TRUCKS - 1 (LDT1)	1.73	1.32	1.56	1.01
LIGHT DUTY TRUCKS - 2 (LDT2)	1.14	1.05	1.35	1.20
MEDIUM DUTY TRUCKS (MDV)	0.22	0.27	0.33	0.40
LIGHT HEAVY DUTY GAS TRUCKS - 1 (LHDV1)	0.08	0.05	0.06	0.08
LIGHT HEAVY DUTY GAS TRUCKS - 2 (LHDV2)	0.09	0.05	0.09	0.06
MEDIUM HEAVY DUTY GAS TRUCKS (MHDV)	0.26	0.15	0.16	0.11
HEAVY HEAVY DUTY GAS TRUCKS (HHDV)	0.10	0.05	0.15	0.10
LIGHT HEAVY DUTY DIESEL TRUCKS - 1 (LHDV1)	0.00	0.00	0.01	0.15
LIGHT HEAVY DUTY DIESEL TRUCKS - 2 (LHDV2)	0.00	0.00	0.10	0.11
MEDIUM HEAVY DUTY DIESEL TRUCKS (MHDV)	0.01	0.01	0.73	0.63
HEAVY HEAVY DUTY DIESEL TRUCKS (HHDV)	0.88	0.77	13.09	11.40
MOTORCYCLES (MCY)	0.11	0.29	0.02	0.06
HEAVY DUTY DIESEL URBAN BUSES (UB)	0.01	0.00	0.01	0.00
HEAVY DUTY GAS URBAN BUSES (UB)	0.00	0.00	0.00	0.00
SCHOOL BUSES (SB)	0.02	0.02	0.07	0.09
OTHER BUSES (OB)	0.05	0.03	0.09	0.08
MOTOR HOMES (MH)	0.04	0.02	0.07	0.05
On-Road Subtotal	8.80	6.89	20.87	17.65

Summary of Baseline Adjustments for 2009

Adjusted to Reflect New Activity Data

Tons per day

Measure	ROG	NOx
HHDD Trucks	0.00	0.00
Reflash	0.00	-0.33
Public Fleet	-0.01	-0.01
Idling	0.00	-0.55
AB 1493	0.00	0.00
Moyer	0.00	-0.02

Summary of on-road adjustments -0.01 -0.90

Eastern Kern County Revisions to Appendix A	ROG		NOx	
	Tons per Day		Tons per Day	
On-Road Mobile	2002	2008	2002	2008
LIGHT DUTY PASSENGER (LDA)	1.65	0.88	1.47	0.75
LIGHT DUTY TRUCKS - 1 (LDT1)	1.15	0.68	1.26	0.68
LIGHT DUTY TRUCKS - 2 (LDT2)	0.68	0.49	1.06	0.71
MEDIUM DUTY TRUCKS (MDV)	0.23	0.21	0.44	0.38
LIGHT HEAVY DUTY GAS TRUCKS - 1 (LHDV1)	0.11	0.08	0.14	0.16
LIGHT HEAVY DUTY GAS TRUCKS - 2 (LHDV2)	0.06	0.04	0.08	0.06
MEDIUM HEAVY DUTY GAS TRUCKS (MHDV)	0.10	0.07	0.11	0.08
HEAVY HEAVY DUTY GAS TRUCKS (HHDV)	0.09	0.08	0.28	0.20
LIGHT HEAVY DUTY DIESEL TRUCKS - 1 (LHDV1)	0.00	0.01	0.01	0.26
LIGHT HEAVY DUTY DIESEL TRUCKS - 2 (LHDV2)	0.00	0.01	0.19	0.23
MEDIUM HEAVY DUTY DIESEL TRUCKS (MHDV)	0.01	0.02	0.59	0.62
HEAVY HEAVY DUTY DIESEL TRUCKS (HHDV)	1.08	1.13	15.0	15.80
MOTORCYCLES (MCY)	0.42	0.60	0.09	0.16
HEAVY DUTY DIESEL URBAN BUSES (UB)	0.00	0.00	0.01	0.01
HEAVY DUTY GAS URBAN BUSES (UB)	0.00	0.00	0.00	0.00
SCHOOL BUSES (SB)	0.00	0.01	0.17	0.17
OTHER BUSES (OB)	0.01	0.01	0.04	0.05
MOTOR HOMES (MH)	0.03	0.02	0.13	0.10
On-Road Subtotal	5.64	4.31	21.08	20.42

Summary of Baseline Adjustments for 2008

Adjusted to Reflect New Activity Data

Tons per day

Measure	ROG	NOx		
HHDD Trucks	-0.14	-2.02		
Reflash	0.00	-0.48		
Public Fleet	-0.01	-0.01		
Idling	0.00	-0.70		
AB 1493	0.00	0.00		
Moyer	0.00	-0.02		

Summary of on-road adjustments

-0.15 -3.23

Antelope Valley Revisions to Appendix A	ROG		NOx	
	Tons per Day		Tons per Day	
On-Road Mobile	2002	2009	2002	2009
LIGHT DUTY PASSENGER (LDA)	4.59	3.15	3.01	1.81
LIGHT DUTY TRUCKS - 1 (LDT1)	1.15	0.80	0.88	0.56
LIGHT DUTY TRUCKS - 2 (LDT2)	1.76	1.59	2.20	1.55
MEDIUM DUTY TRUCKS (MDV)	1.01	0.88	1.38	1.03
LIGHT HEAVY DUTY GAS TRUCKS - 1 (LHDV1)	0.39	0.16	0.57	0.27
LIGHT HEAVY DUTY GAS TRUCKS - 2 (LHDV2)	0.05	0.02	0.04	0.04
MEDIUM HEAVY DUTY GAS TRUCKS (MHDV)	0.09	0.02	0.07	0.04
HEAVY HEAVY DUTY GAS TRUCKS (HHDV)	0.31	0.02	0.09	0.06
LIGHT HEAVY DUTY DIESEL TRUCKS - 1 (LHDV1)	0.00	0.00	0.01	0.19
LIGHT HEAVY DUTY DIESEL TRUCKS - 2 (LHDV2)	0.00	0.00	0.16	0.14
MEDIUM HEAVY DUTY DIESEL TRUCKS (MHDV)	0.01	0.01	0.47	0.39
HEAVY HEAVY DUTY DIESEL TRUCKS (HHDV)	0.01	0.25	4.48	3.80
MOTORCYCLES (MCY)	0.53	0.79	0.08	0.18
HEAVY DUTY DIESEL URBAN BUSES (UB)	0.00	0.00	0.00	0.00
HEAVY DUTY GAS URBAN BUSES (UB)	0.00	0.00	0.07	0.06
SCHOOL BUSES (SB)	0.02	0.02	0.21	0.24
OTHER BUSES (OB)	0.01	0.02	0.06	0.08
MOTOR HOMES (MH)	0.04	0.03	0.16	0.14
On-Road Subtotal	9.97	7.76	13.94	10.58

Summary of Baseline Adjustments for 2009

Adjusted to Reflect New Activity Data

Tons per day

Measure	ROG	NOx
HHDD Trucks	0.00	0.00
Reflash	0.00	-0.11
Public Fleet	0.00	0.00
Idling	0.00	-0.18
AB 1493	0.00	0.00
Moyer	0.00	-0.02
Summary of on-road Adjustments	0.00	-0.32

Western Mojave Desert
Revisions to Appendix A

	ROG		NOx	
	Tons per Day		Tons per Day	
On-Road Mobile	2002	2009	2002	2009
LIGHT DUTY PASSENGER (LDA)	6.09	3.52	6.27	3.61
LIGHT DUTY TRUCKS - 1 (LDT1)	3.30	1.96	4.10	2.27
LIGHT DUTY TRUCKS - 2 (LDT2)	2.34	1.72	4.18	3.00
MEDIUM DUTY TRUCKS (MDV)	0.80	0.75	1.60	1.50
LIGHT HEAVY DUTY GAS TRUCKS - 1 (LHDV1)	0.26	0.17	0.34	0.37
LIGHT HEAVY DUTY GAS TRUCKS - 2 (LHDV2)	0.16	0.10	0.22	0.13
MEDIUM HEAVY DUTY GAS TRUCKS (MHDV)	0.23	0.11	0.20	0.13
HEAVY HEAVY DUTY GAS TRUCKS (HHDV)	0.14	0.09	0.54	0.35
LIGHT HEAVY DUTY DIESEL TRUCKS - 1 (LHDV1)	0.00	0.01	0.02	0.58
LIGHT HEAVY DUTY DIESEL TRUCKS - 2 (LHDV2)	0.01	0.01	0.47	0.57
MEDIUM HEAVY DUTY DIESEL TRUCKS (MHDV)	0.02	0.03	1.61	1.95
HEAVY HEAVY DUTY DIESEL TRUCKS (HHDV)	3.82	3.79	54.68	54.07
MOTORCYCLES (MCY)	0.92	1.86	0.19	0.51
HEAVY DUTY DIESEL URBAN BUSES (UB)	0.00	0.00	0.07	0.05
HEAVY DUTY GAS URBAN BUSES (UB)	0.02	0.02	0.05	0.04
SCHOOL BUSES (SB)	0.03	0.03	0.41	0.45
OTHER BUSES (OB)	0.02	0.02	0.12	0.14
MOTOR HOMES (MH)	0.07	0.04	0.29	0.28
On-Road Subtotal	18.24	14.21	75.36	70.02

Summary of Baseline Adjustments for 2009

Adjusted to Reflect New Activity Data

Tons per day

Measure	ROG	NOx
HHDD Trucks	0.00	0.00
Reflash	0.00	-1.56
Public Fleet	-0.03	-0.03
Idling	0.00	-2.59
AB 1493	0.00	0.00
Moyer	-0.01	-0.08

Summary of on-road Adjustments -0.04 -4.57