

Appendix A – Modified Text to Original Proposal

Note for Commenters: The proposed modifications to this document are shown in underline to indicate additions and ~~strikeout~~ to indicate deletions compared to the original text as presented in the ARB Staff Report: Initial Statement of Reasons released May 4, 2007. The amendments proposed here reflect modifications as presented at the June 21, 2007 public hearing and as provided by Board Resolution 07-26, dated June 21, 2007.

State of California AIR RESOURCES BOARD

CALIFORNIA ENVIRONMENTAL PERFORMANCE LABEL SPECIFICATIONS FOR 2009 AND SUBSEQUENT MODEL YEAR PASSENGER CARS, LIGHT-DUTY TRUCKS, AND MEDIUM-DUTY PASSENGER VEHICLES

Adopted: {Insert Date}

Note: These specifications shall take effect for all vehicles manufactured on October 1, 2008 and thereafter. On October 1, 2008, the Environmental Performance Label will replace the Smog Index Label; therefore vehicles manufactured on October 1, 2008, and thereafter will no longer require a Smog Index Label. Replacing the Smog Index Label with the new Environmental Performance Label prior to October 1, 2008 is ~~acceptable~~ optional but if so replaced, must meet these specifications.

**State of California
AIR RESOURCES BOARD**

California Environmental Performance Label Specifications

1. **Prohibition.** The sale and registration in this state of any certified new 2009 and subsequent model passenger car, light-duty truck, and medium-duty passenger vehicle manufactured on or after October 1, 2008 to which an Environmental Performance label has not been affixed in accordance with these procedures is prohibited. Affixing the Environmental Performance label to a vehicle manufactured before October 1, 2008 in lieu of the Smog Index Label is optional, however, each such label optionally affixed and not meeting all specifications herein, is prohibited.

2. **Requirements.**
 - (a) Environmental Performance Label: An Environmental Performance label made of paper or plastic shall be securely affixed in a location specified in section 43200 of the Health and Safety Code. The Environmental Performance label shall display the global warming score for the vehicle, as specified in section 3 below. The Environmental Performance label shall display the smog score for the vehicle, as specified in section 4 below. The Environmental Performance label may be expanded to include bar coding information, if and only if all requirements for the Environmental Performance label are maintained and the bar coding information is placed outside the 4 x 6 inch label perimeter. The Environmental Performance label shall take the form as set forth in section 7 6 and Attachment A of these specifications this document.

 - (b) Alternate Environmental Performance Label: An alternate Environmental Performance label, which is reduced in size, may be used, if and only if the following requirements are met:
 - (1) The alternate label is placed or incorporated within the new vehicle Monroney sticker, as provided by the vehicle manufacturer, and

 - (2) The following color ranges of green, as selected from the Pantone Formula Guide, product #GP1201, and incorporated by reference herein, are not used on the Monroney sticker within a 2-inch perimeter outside the label's border:
 - (A) PMS 320 (C or U) through PMS 378 (C or U)
 - (B) PMS 3242 (C or U) through PMS 3435 (C or U)
 - (C) PMS 560 (C or U) through PMS 562 (C or U)
 - (D) PMS 567 (C or U) through PMS 569 (C or U), and

(3) The alternate Environmental Performance label shall take the form as set forth in section 7 and Attachment B of this specification.

3. Global Warming Score

- (a) The global warming emissions value used to determine a vehicle's global warming score shall be the CO₂^{Equivalent} -equivalent value as calculated according to Title 13, California Code of Regulations, Section § 1961.1(a)(1)(B) and certified pursuant thereto.
- (b) The average new vehicle CO₂^{Equivalent} -equivalent combined value is projected to be 360 grams per mile and shall be assigned a global warming score of 5.
- (c) The global warming scores in the following table shall apply to all:
 - (1) passenger cars, and
 - (2) light-duty trucks 0-8500 lbs. pounds GVW, except trucks 3751 lbs. LVW to 8500 lbs. GVW that are certified to Option 1 LEV II NOx standard, pursuant to Title 13, California Code of Regulations, Section 1961(a)(1), and
 - (3) medium-duty passenger vehicles 8500-10000 lbs. GVW:

Grams per mile CO ₂ ^{Equivalent} <u>-equivalent</u> combined	Global Warming Score
Less than 200	10
200-239	9
240-279	8
280-319	7
320-359	6
360-399	5
400-439	4
440-479	3
480-519	2
520 and up	1

4. Smog Score

- (a) The average new vehicle NMOG + NOx certification value is assigned projected to be closest to an Ultra-Low-Emission Vehicle (ULEV) certification

and ~~is~~ shall be assigned a smog score of 5, regardless of actual average certified values.

- (b) The smog scores in the following table apply to 2009 and subsequent model-year passenger cars and light-duty trucks 0-8500 lbs. pounds GVW and medium-duty passenger vehicles 8500-10000 lbs. GVW, as certified pursuant to Title 13, California Code of Regulations, Section 1961(a)(1):

California Emissions Category – Federal Bins	NMOG + NOx (g/mile)	Smog Score
ZEV – Bin 1	0.0	10
PZEV	0.030	9
SULEV – Bin 2	0.030	8
Bin 3	0.085	7
Bin 4	0.110	6
ULEV	0.125	5
LEV – Bin 5	0.160	4
[LEV (option 1) – Bin 6] and [SULEV (MDPV)]	0.190 – 0.200	3
Bin 7	0.240	2
ULEV (MDPV) – Bin 8a	0.325	1

5. Bi-Fuel, Fuel Flexible, and Dual-Fuel, and Grid-Connected Hybrid Electric Vehicles.

Notwithstanding Title 13, California Code of Regulations, Section 1961.1(a)(1)(B)~~2.~~ ~~(2)(a)~~, the global warming score and smog score are ~~is~~ based on exhaust mass emission tests when the vehicle is operating on gasoline or diesel.

6. Environmental Performance Label Format Requirements. Detailed printing specifications requirements and a sample label are given in Attachment A of this ~~part~~ specification and apply to the provisions in this section 6. Unless otherwise stated, a dimensional tolerance of plus or minus 0.039 inches (1.0 millimeter) shall apply to each individual dimension.

- (a) Environmental ~~p~~Performance labels:

- (1) Must be rectangular in shape with a minimum size of 6 inches wide x 4 inches high.
- (2) Must be white, outlined with a 4 3 point green line and have ~~exactly~~ a 0.5 inch section of green at the top and ~~exactly~~ a 1 inch section of green at the bottom.

- (b) Label information. The information on each label must meet the following requirements:

- (1) The color for the ~~background~~ prescribed green as specified in Attachment A is PMS 347 (C or U) selected from the Pantone Formula Guide, Product # GP1201, incorporated by reference, herein ~~Matching System solid coated swatch book~~. When printing in 4 color process the color build for the prescribed green is:

Cyan	100
Magenta	0
Yellow	86
Black	3

- (2) “Environmental Performance” is the title of the label. This title must be centered in the top section of green. See Attachment A for font, size and color requirements.
- (3) The phrase “Protect the environment, choose vehicles with higher scores:” must appear. This phrase must start ~~exactly 2 picas (0.341 inches)~~ from the left edge of label. See Attachment A for font, size and color requirements.
- (4) “Global Warming Score” is a title that must always appear over its respective scale. This title must start ~~exactly 2 picas (0.341 inches)~~ from the left edge. See Attachment A for font, size and color requirements.
- (5) The number for the Global Warming Score is variable and must appear over the block it represents on the global warming scale. Scores are determined in section 3. Vehicles certified to Option 1 LEV II NOx standard, pursuant to Title 13, California Code of Regulations, Section 1961(a)(1), are exempt from this requirement. See Attachment A for font, size and color requirements.
- (6) The number θ 1 must appear on the left most side of the scale it is under. See Attachment A for font, size and color requirements.
- (7) “Average ~~N~~new ~~V~~vehicle” must appear under both scales at the center point, which is of the fifth block (or where the fifth block would normally be), and must be marked by a triangle (item 15 in Attachment A). See Attachment A for font, size and color requirements.
- (8) This statement must appear in the lower section of green on every label: “Vehicle emissions are a primary contributor to global warming and smog. Scores are determined by the California Air Resources Board based on this vehicle’s measured emissions. Please visit **www.DriveClean.ca.gov** for more information.” This statement must start ~~exactly 2 picas (0.341 inches)~~ from the left edge. The third row of text will must end at after the word “visit” and drop down to a fourth line

of text to allow room for item 17, the ARB logotype. See Attachment A for font, size and color requirements.

- (9) The words “higher scores:” must be bolded. See Attachment A for font, size and color requirements.
- (10) “Smog Score” is a title that must always appear over its respective scale. ~~‡~~ This title shall end exactly 1.5 inches away from the right edge, and shall be flush left with its scale. See Attachment A for font, size and color requirements.
- (11) The number for the Smog Score is variable and must appear over the block it represents on the smog scale. Scores are determined in section 4. See Attachment A for font, size and color requirements.
- (12) Squares on the scales. Each square represents a single point on the scale. If a vehicle scores a 5, on a given scale, there will be five squares to represent that score. The first square must be flush left with the scale line (Attachment A item 13) and the tenth square must be flush right with item 13, therefore maintaining a distance of ~~exactly 0.042 inches~~ 3 points between squares, even when not all ten squares are present. See Attachment A for size and color requirements.
- (13) The scale line must appear on both scales and must be a consistent length. It must always be flush left with its respective title. See Attachment A for ~~font~~ length, stroke and color requirements.
- (14) A number 10 must appear flush right with Attachment A item 13 of both scales. The number 10 represents the highest score a vehicle can get on each scale. See Attachment A for font, size and color requirements.
- (15) An upright equilateral triangle must appear under both scales at the center point of the fifth block (or where the fifth block would normally be) on both scales representing where the average new vehicle falls on each scale. See Attachment A for ~~font~~ size and color requirements.
- (16) The title “Cleanest” must appear flush right and underneath the 10 (Attachment A item 14) on both scales. ~~‡~~ This title must always be bold. See Attachment A for font, size and color requirements.
- (17) The California Environmental Protection Agency / Air Resources Board logotype must appear in the lower right hand corner, ending ~~exactly~~ 0.3 inches from the right edge. See Attachment A for font, size and color requirements.

(18) The Drive Clean website (www.DriveClean.ca.gov) ~~should~~ must always appear in the Myriad Semi-bold within Item 8. See Appendix Attachment A for font, and size and color requirements specifications.

~~(19) This statement must appear for bi-fueled vehicles: "For bi-fuel vehicles, when using an alternative fuel, scores may improve. See www.DriveClean.ca.gov".~~

(19) Vehicles capable of operating on more than one fuel must display the following statement: "Using alternative fuels may improve scores. See www.DriveClean.ca.gov". This statement must be centered and appear just above the bottom section of green. See Attachment A for font, size and color requirements.

~~(20) This statement must appear for fuel flexible vehicles: "For flex-fuel vehicles, when using an alternative fuel, scores may improve. See www.DriveClean.ca.gov".~~

~~(21) This statement must appear for dual-fuel vehicles: "For dual-fuel vehicles, when using an alternative fuel, scores may improve. See www.DriveClean.ca.gov".~~

7. Alternate Environmental Performance Label Format Requirements. Detailed printing requirements and a sample alternate label are given in Attachment B of this specification and apply to the provisions in this section 7. Unless otherwise stated, a dimensional tolerance of plus or minus 0.039 inches (1.0 millimeter) shall apply to each individual dimension.

(a) Alternate Environmental Performance labels:

(1) Must be rectangular in shape with a minimum size of 4.5 inches wide by 2.5 inches high.

(2) Must be white, outlined with a 3 point green line and have a .3056 inch section of green at the top and a 0.667 inch section of green at the bottom.

(b) Label information. The information on each label must meet the following requirements:

(1) The color for the prescribed green as specified in Attachment B is PMS 347 (C or U) selected from the Pantone Formula Guide, Product # GP1201, incorporated by reference, herein. When printing in 4 color process the color build for the prescribed green is:

Cyan 100

Magenta	0
Yellow	86
Black	3

- (2) “Environmental Performance” is the title of the label. This title must be centered in the top section of green. See Attachment B for font, size and color requirements.
- (3) The phrase “Protect the environment, choose vehicles with higher scores:” must appear. This phrase must be centered within the width of the label starting 1 pica from the left edge of label and ending 1 pica from the right edge. See Attachment B for font, size and color requirements.
- (4) “Global Warming Score” is a title that must always appear over its respective scale. This title must start 1 pica from the left edge. See Attachment B for font, size and color requirements.
- (5) The number for the Global Warming Score is variable and must appear over the block it represents on the global warming scale. Scores are determined in section 3. Vehicles certified to Option 1 LEV II NOx standard, pursuant to Title 13, California Code of Regulations, Section 1961(a)(1), are exempt from this requirement. See Attachment B for font, size and color requirements.
- (6) The number 1 must appear on the left most side of the scale it is under. See Attachment B for font, size and color requirements.
- (7) “Average new vehicle” must appear under both scales at the center point of the fifth block (or where the fifth block would normally be), and must be marked by a triangle (item 15 in Attachment B). See Attachment B for font, size and color requirements.
- (8) This statement must appear in the lower section of green on every label: “Vehicle emissions are a primary contributor to global warming and smog. Scores are determined by the California Air Resources Board based on this vehicle’s measured emissions. Please visit **www.DriveClean.ca.gov** for more information.” This statement must start 1 pica from the left edge. The third row of text must end after the word “visit” and drop down to a fourth line of text to allow room for item 17, the ARB logotype. See Attachment B for font, size and color requirements.
- (9) The words “higher scores:” must be bolded. See Attachment B for font, size and color requirements.

- (10) “Smog Score” is a title that must always appear over its respective scale. This title shall end 5 picas away from the right edge, and shall be flush left with its scale. See Attachment B for font, size and color requirements.
- (11) The number for the Smog Score is variable and must appear over the block it represents on the smog scale. Scores are determined in section 4. See Attachment B for font, size and color requirements.
- (12) Squares on the scales. Each square represents a single point on the scale. If a vehicle scores a 5, on a given scale, there will be five squares to represent that score. The first square must be flush left with the scale line (Attachment B, item 13) and the tenth square must be flush right with item 13, therefore maintaining a distance of exactly 1.625 points between squares, even when not all ten squares are present. See Attachment B for size and color requirements.
- (13) The scale line must appear on both scales and must be a consistent length. It must always be flush left with its respective title. See Attachment B for length, stroke and color requirements.
- (14) A number 10 must appear flush right with Attachment B, item 13 of both scales. The number 10 represents the highest score a vehicle can get on each scale. See Attachment B for font, size and color requirements.
- (15) An upright equilateral triangle must appear under both scales at the center point of the fifth block (or where the fifth block would normally be) on both scales, representing where the average new vehicle falls on each scale. See Attachment B for size and color requirements.
- (16) The title “Cleanest” must appear flush right and underneath the 10 (Attachment B, item 14) on both scales. This title must always be bold. See Attachment B for font, size and color requirements.
- (17) The California Environmental Protection Agency / Air Resources Board logotype must appear in the lower right hand corner, ending 6 points from the right edge. See Attachment B for font, size and color requirements.
- (18) The Drive Clean website (www.DriveClean.ca.gov) must always appear in the Myriad Semi-bold within Item 8. See Attachment B for font, size and color requirements.
- (19) Vehicles capable of operating on more than one fuel must display the following statement: “Using alternative fuels may improve scores. See www.DriveClean.ca.gov.” This statement must be centered and appear

just above the bottom section of green. See Attachment B for font, size and color requirements.

78. Severability. Each provision of ~~this section~~ these specifications is severable, and in the event that any provision of ~~this section is~~ or part(s) thereof are held to be invalid, the remainder of these specifications remains in full force and effect.

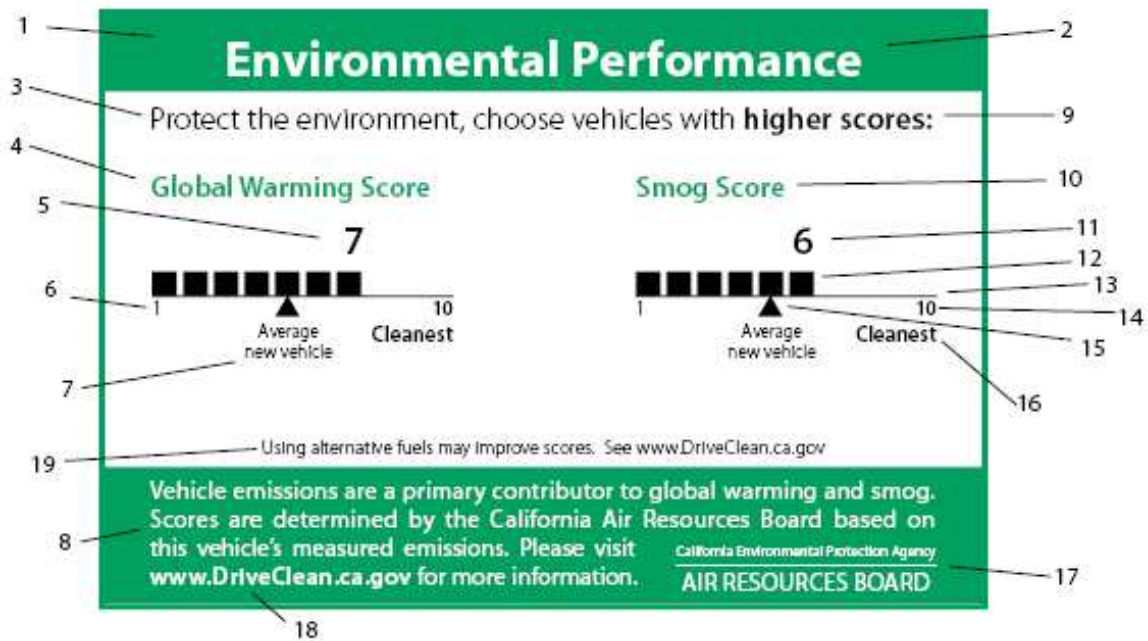
ATTACHMENT A

ENVIRONMENTAL PERFORMANCE LABEL STYLE REQUIREMENTS

1	Label Background 6 x 4 inches whole; top green: 6 x 0.5 inches; Bottom green: 6 x1 inches; green stroke: 4 <u>3</u> points; Color: PMS 347 (C or U)
2	font: Myriad Pro Bold; size: 25 points; color: knocked out of green (appears white)
3	font: Myriad Pro Light; size: 15 points; color: Black
4, 10	font: Myriad Pro Semi-bold; size: 14.4 points; color: PMS 347 (C or U)
5, 11	font: Myriad Pro Semi-bold; size: 19.2 points; color: Black
6, 14	font: Myriad Pro Light; size: 9.6 points; color: Black
7	font: Myriad Pro Light; size/leading: 9/10.8 points; color: Black
8	font: Myriad Pro Regular; size/leading: 11.3/13.5 points; color: knocked out of green (appears white)
9	font: Myriad Pro Semi-bold; size: 15 points; color: Black
12	size: 0.167 x 0.167 inches <u>12 x 12 points</u> ; color: Black; distance: 0.042 inches <u>3 points</u> apart
13	Scale Line: length: 2.05 inches; stroke: 1 point; color: Black
15	size: 0.167 x 1.11 inches <u>12 points each side</u> ; color: Black
16	font: Myriad Pro Semi-bold; size: 10.5 points; color: Black
17	California Environmental Protection Agency / Air Resources Board logotype: Top Row: font: Myriad Pro Regular; size: 7 points (Title Case) Bottom Row: font Myriad Pro Regular; size: 12 points (All Caps) Line weight: 1 point; Color for all: knocked out of green (appears white)
18	www.DriveClean.ca.gov: Font: Myriad Pro Semi-bold Size: 12 points Color: knocked out of green (appears white)
19	Flex <u>Alternative</u> fuel phrase (variable element): font: Myriad Pro Light; size: <u>910</u> points; color: Black

Note for Commenters: For simplicity in viewing the proposed modifications, the entire label is reproduced here without underline or ~~strikeout~~ to provide a sample label reflecting the proposed modifications. However, the only items proposed for modification from the original proposal, as reflected in the sample, are the movement of the phrase “Average new vehicle” noted in 7, the movement of the triangle noted in 15 from just right of block 5 to the middle of block 5, the substitution of the number 1, noted in 6, in lieu of 0 below each scale, and the alternative fuel phrase as noted in 19. All other requirements as originally proposed remain unchanged.

Sample Environmental Performance Label



ATTACHMENT B

ALTERNATE ENVIRONMENTAL PERFORMANCE LABEL STYLE REQUIREMENTS

<u>1</u>	<u>Label Background 4.5 x 2.5 inches whole; top green: 4.5 x 0.3056 inches; Bottom green: 4.5 x 0.667 inches; green stroke: 3 points; Color: PMS 347 (C or U)</u>
<u>2</u>	<u>font: Myriad Pro Bold; size: 17.5 points; color: knocked out of green (appears white)</u>
<u>3</u>	<u>font: Myriad Pro Light; size: 11.75 points; color: Black</u>
<u>4, 10</u>	<u>font: Myriad Pro Semi-bold; size: 12 points; color: PMS 347 (C or U)</u>
<u>5, 11</u>	<u>font: Myriad Pro Semi-bold; size: 14 points; color: Black</u>
<u>6, 14</u>	<u>font: Myriad Pro Light; size: 7.5 points; color: Black</u>
<u>7</u>	<u>font: Myriad Pro Light; size/leading: 7/8 points; color: Black</u>
<u>8</u>	<u>font: Myriad Pro Regular; size/leading: 9.5/11 points; color: knocked out of green (appears white)</u>
<u>9</u>	<u>font: Myriad Pro Semi-bold; size: 11.75 points; color: Black</u>
<u>12</u>	<u>size: 10 x 10 points; color: Black; distance: 1.625 points apart</u>
<u>13</u>	<u>Scale Line: length: 1.589 inches; stroke: 1 point; color: Black</u>
<u>15</u>	<u>size: 10 points each side; color: Black</u>
<u>16</u>	<u>font: Myriad Pro Semi-bold; size: 8 points; color: Black</u>
<u>17</u>	<u>California Environmental Protection Agency / Air Resources Board logotype: Top Row: font: Myriad Pro Semi-bold Condensed; size: 10 points (Title Case) Bottom Row: font Myriad Pro Regular; size: 12 points (All Caps) Line weight: 0.7 points; Color for all: knocked out of green (appears white)</u>
<u>18</u>	<u>www.DriveClean.ca.gov: Font: Myriad Pro Semi-bold Size/ leading: 9.5/11 points Color: knocked out of green (appears white)</u>
<u>19</u>	<u>Alternative fuel phrase: font: Myriad Pro Light; size: 7.5 points; color: Black</u>

Note for Commenters: For simplicity in viewing the proposed modifications, the entire alternate label is reproduced here without underline to provide a sample label reflecting the proposed modifications. The entire sample label and text therein is newly proposed with this Notice.

Sample
Alternate Environmental Performance Label

