

State of California  
AIR RESOURCES BOARD

Resolution 83-21

July 28, 1983

Agenda Item No. 83-10-1

WHEREAS, Section 39601 of the Health and Safety Code authorizes the Air Resources Board (the "Board") to adopt standards, rules, and regulations necessary for the proper execution of the powers and duties granted to and imposed upon the Board by law;

WHEREAS, Section 43100 of the Health and Safety Code authorizes the Board to certify new motor vehicles;

WHEREAS, Section 43102 of the Health and Safety Code, as amended in 1981 (stats 1981, ch 1185; AB 965), directs the Board to adopt certification and enforcement regulations, no later than for the 1983 model year, which will allow a manufacturer to certify in California federally certified light-duty motor vehicles which are unavailable in this state provided that their emissions are offset by the manufacturer's California-certified vehicles whose emissions are below the applicable California standard;

WHEREAS, in 1982 the Board adopted "Guidelines for Certification of 1983 Model Year Federally Certified Light-Duty Motor Vehicles for Sale in California," (the "Guidelines") and adopted Section 1960.5 and amended Section 2061, Title 13, California Administrative Code, which incorporate the Guidelines, to implement AB 965 for the 1983 model year;

WHEREAS, the California Environmental Quality Act (CEQA) and Board regulations require that no project having significant adverse environmental impacts be adopted as originally proposed if feasible alternatives or mitigation measures are available;

WHEREAS, a public hearing and other administrative proceedings have been held in accordance with the provisions of Chapter 3.5 (commencing with Section 11340), Part 1, Division 3, Title 2 of the Government Code; and

WHEREAS, the Board finds that:

The 1983 model year program for certification of federally certified light-duty vehicles for sale in California has enabled manufacturers to offer otherwise unavailable models in California;

Extension of the present program with minor technical changes would continue to enable sale of otherwise unavailable models in future years;

While the adverse emissions impact of the program for the 1983 model year is negligible, extension of the program on a permanent basis could result in a cumulative significant adverse emissions impact in later years as more federally certified vehicles join the California fleet; and

The measures contained in the program approved herein which limit federally certified vehicles certified for sale in California to those necessary to satisfy the unavailability problem, and which extend the program only through the 1987 model year, mitigate the adverse emissions impact to the maximum extent currently feasible; no additional mitigation measures or alternatives which meet the requirements of AB 965 and would eliminate or substantially further reduce any significant adverse environmental impact are currently available.

NOW, THEREFORE, BE IT RESOLVED that the Board hereby approves amendments to:

Section 1960.5, Title 13, California Administrative Code, as set forth in Attachment A;

Section 2061, Title 13, California Administrative Code, as set forth in Attachment B; and

"Guidelines for Certification of 1983 Model Year Federally Certified Light-Duty Motor Vehicles for Sale in California", as set forth in Attachment C;

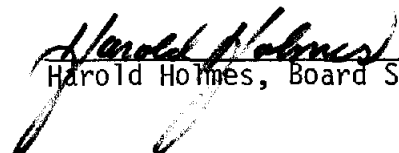
BE IT FURTHER RESOLVED that the Board directs the Executive Officer to adopt the amendments set forth in Attachments A, B, and C after making them available to the public for a period of 15 days, provided, however, that the Executive Officer shall consider such written comments as may be submitted during this period, and shall present the regulations to the Board for further consideration if he determines that this is warranted in light of the written comments received.

BE IT FURTHER RESOLVED that the Board directs the Executive Officer to report annually to the Board on the effect of the program approved herein on model availability and vehicular emissions.

BE IT FURTHER RESOLVED that the Board directs the Executive Officer to prepare for formal Board consideration amendments to the Guidelines which would provide for offsetting of particulate emissions.

BE IT FURTHER RESOLVED that the Board finds that the regulations as approved and amended herein, individually and in the aggregate with the other California motor vehicle emission regulations, are at least as protective of public health and welfare as comparable federal regulations and are consistent with Section 202(a) of the federal Clean Air Act.

I certify that this is a true and correct copy of Resolution 83-21 as adopted by the Air Resources Board.

  
Harold Holmes, Board Secretary

Proposed Amendment to Section 1960.5 of  
Title 13, California Administrative Code

Amend Section 1960.5, Title 13, California Administrative Code, as follows:

1960.5. Certification of 1983 ~~And/Subsequent~~ through 1987 Model Year Federally Certified Light-Duty Motor Vehicles for Sale in California.

(a) The exhaust emissions from new 1983 ~~And/Subsequent~~ through 1987 model year federally certified passenger cars and light-duty trucks, subject to registration and sold and registered in this state pursuant to Section 43102(b) of the California Health and Safety Code, shall not exceed the applicable federal emissions standards as determined under applicable federal test procedures.

(b) With respect to any new vehicle required to comply with the standards set forth in paragraph (a), the manufacturer's written maintenance instructions for in-use vehicles shall not require scheduled maintenance more frequently than or beyond the scope of maintenance permitted under the test procedures referenced in paragraph (a). Any failure to perform scheduled maintenance shall not excuse an emissions violation unless the failure is related to or causes the violation.

(c) The standards and procedures for certifying in California 1983 ~~And/Subsequent~~ through 1987 model year federally certified light-duty motor vehicles are set forth in "Guidelines for Certification of 1983 ~~And/Subsequent~~ through 1987 Model Year Federally Certified Light-Duty Motor Vehicles for Sale in California", adopted July 20, 1982, as last amended

NOTE: Authority cited: Sections 39601, 43100 and 43102, Health and Safety Code. Reference: Section 43102, Health and Safety Code.

Proposed Amendment to Title 13, California Administrative Code

Amend Section 2061, Title 13, California Administrative Code, as follows:

2061. Assembly-Line Test Procedures--1983 and Subsequent Model Years.

New 1983 and subsequent model year passenger cars, light-duty trucks, and medium-duty vehicles subject to certification and manufactured for sale in California shall be tested in accordance with the "California Assembly-Line Test Procedures for 1983 and Subsequent Model Year Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles," adopted November 24, 1981, including federally certified light-duty motor vehicles, except as provided in "Guidelines for Certification of 1983 ~~and/subsequent~~ through 1987 Model Year Federally Certified Light-Duty Motor Vehicles for Sale in California", adopted July 20, 1982, as last amended.

NOTE: Authority cited: Sections 39515, 39601 and 43210, Health and Safety Code. Reference: Sections 43102, 43105, 43210, 43211 and 43212, Health and Safety Code.

GUIDELINES FOR CERTIFICATION OF 1983 ~~AND/SUBSEQUENT~~ THROUGH 1987  
MODEL YEAR FEDERALLY CERTIFIED LIGHT-DUTY MOTOR  
VEHICLES FOR SALE IN CALIFORNIA

I. APPLICABILITY

These guidelines adopted pursuant to Section 43102(b) of the California Health and Safety Code are applicable to 1983 ~~and/subsequent~~ through 1987 model year federally certified light-duty motor vehicles proposed for sale in California. These guidelines are not applicable to medium-duty trucks, motorcycles, heavy-duty engines, heavy-duty vehicles, emergency vehicles, or vehicles with engines having a displacement less than 50 cubic inches.

II. DEFINITIONS

For the purposes of these guidelines:

1. "Light-duty motor vehicle" means a vehicle having a manufacturer's maximum gross vehicle weight rating of under 6,001 pounds (California Health and Safety Code Section 39035).
2. "California vehicle" means a motor vehicle originally certified in California by an Executive Order.
3. "Equivalent inertia weight (EIW)" is defined under subparagraph 86.129-79(a), Title 40, Code of Federal Regulations.
4. "Federal vehicle" means a motor vehicle originally certified federally by a Certificate of Conformity.
5. "Model" means a unique combination of car line, basic engine, and transmission class, or as defined by a manufacturer with the approval of the Executive Officer.
6. "Car Line" means a name denoting a group of vehicles within a make or car division which has a degree of commonality in

construction (e.g., body, chassis). Car line does not consider any level of decor or opulence and is not generally distinguished by characteristics as roof line, number of doors, seats, or windows, except for station wagons or light-duty trucks. Station wagons and light-duty trucks are considered to be different car lines than passenger cars.

7. "Basic Engine" means a unique combination of manufacturer, engine displacement, number of cylinders, fuel system (as distinguished by use of carburetor or fuel injection), and catalyst usage.
8. "Transmission Class" means a group of transmissions having the following common features: basic transmission type (manual, automatic, or semi-automatic), number of forward speeds (e.g., manual four-speed, three-speed automatic, two-speed semi-automatic).

### III. CERTIFICATION OF FEDERAL VEHICLES

To receive certification for federal vehicle sales in California, a manufacturer shall:

- A. Provide to the Executive Officer evidence of federal certification, and a statement that the model(s) for which certification is requested are not available in California.
- B. Provide a ~~five-year/50,000-mile~~ warranty on emissions-related parts in accordance with Sections 2035 et seq., Title 13, California Administrative Code, as they apply to vehicles certified under the primary California standards. However, Federal vehicles which are offset by California vehicles certified to a 100,000-mile optional standard shall provide a ten-year/100,000-mile warranty.

- C. Provide: 1) certification emission levels of federal models intended for sale in California, 2) quarterly production reports, by model and engine family, of vehicles intended for sale or sold in California, and 3) other information which the Executive Officer deems necessary to calculate emissions offset credits, emission deficits, or air quality impacts.
- D. Label each vehicle on the assembly-line with the statement "conforms to federal regulations and is certified for sale in California" to distinguish federal vehicles certified for sale in California from other federal vehicles and from California vehicles.

IV. ASSEMBLY-LINE AND ENFORCEMENT TESTING

- A. All federal vehicles certified and intended for sale in California shall comply with all provisions of the applicable California Assembly-Line Test Procedures, except that:
  - 1. The Executive Officer, at his or her discretion, may accept quality audit emissions data from other sources in lieu of a 2 percent quality audit of federal vehicle production intended for sale in California.
  - 2. Manufacturers which have projected sales of less than 1,000 federal vehicles per model year in California shall be exempt from the 2 percent quality audit requirement. However, such manufacturers shall submit to the Executive Officer any other similar data which may be available.

3. Data submitted in lieu of 2 percent quality audit data shall be accompanied either by a statement that the data were generated according to California Assembly-Line Test Procedures, or by a description of how the testing and analysis procedures used depart from California Assembly-Line Test Procedures.

4. 3. The Executive Officer, at his or her discretion, may waive the requirement for 100 percent steady state emissions testing of federal vehicles intended for sale in California in cases where lack of test facilities or other factors would place undue burden on vehicle manufacturers.

B. All federal vehicles certified for sale in California shall be subject to the compliance testing requirements of Title 13, California Administrative Code.

V. OFFSETTING PROCEDURE

A. Emissions offsetting shall be limited as follows:

1. By manufacturer. A manufacturer shall not trade, sell, transfer, or in any other manner exchange emissions credits with another manufacturer, except that a manufacturer which supplies engines to a vehicle manufacturer may also supply offsetting emission credits if the vehicle manufacturer's total production for California is less than 200 units per model year.

2. By vehicle category. Vehicle categories are: (a) passenger cars and (b) light-duty trucks (less than 6,000 pounds gross vehicle weight rating). Emission credits from vehicles in one category shall not offset vehicles in the other category.



3. By fuel type. Offsetting shall be conducted only among vehicles with like fuels (e.g., gasoline to gasoline, diesel to diesel, etc.).
  4. By durability option. Federal vehicles which are offset by California vehicles certified to the optional 100,000-mile emissions standards must demonstrate 100,000-mile durability, or the equivalent, subject to the approval of the Executive Officer.
  5. By model. No federally certified vehicle shall be certified or sold in California if a comparable California model vehicle of the same manufacturer is offered ~~for the 1983~~ in the same model year.
  6. By pollutant. Oxides of nitrogen (NOx) is the only pollutant which may be offset for passenger cars. Hydrocarbons, carbon monoxide, and NOx may be offset for light-duty trucks. Evaporative hydrocarbons and particulates are not eligible for offsets. Total hydrocarbon data shall be compared directly to non-methane hydrocarbon data for purposes of calculating offsets.
- B. Each manufacturer shall submit to the Executive Officer by October 1 of each year, or as soon thereafter as is practicable:
- (1) an estimate of the emissions credits which it will accrue based upon California certified emissions levels and projected sales of California vehicles; and
  - (2) an estimate of the emissions credits which it will use based upon federal certification emissions levels and estimated sales of federal vehicles in California. These estimates may be changed at any time within the model year, subject to the approval of the Executive Officer.

C. Within the bounds of Part A, emissions credits that can be accrued by a California certified vehicle shall be the difference between the applicable California standard and the certification emissions level<sub>+</sub>.

$$\text{Estimated Credits} = \sum_{i=1}^m \text{Calsales}_i (\text{Calstd} - \text{Calcert}_i)$$

Where: m = Number of California engine families certified to a set of California standards (passenger cars, 0-3999 pounds EIW trucks, 4000-5999 pounds EIW trucks) for a given manufacturer.

Calsales = Manufacturer's projected sales by engine family.

Calstd = Applicable California standard.

Calcert = California engine family certification level listed on the Executive Order for the applicable engine family.

D. Within the bounds of Part A, the emissions required to offset a federal vehicle shall be the difference between the federal certification level and the sales-weighted mean certification level of all California engine families (Calmean) as of February 1, ~~1982~~, of the previous model year for passenger cars or the appropriate light-duty truck group as applicable. When a new standard is implemented, an estimated Calmean shall be determined at 80 percent of the new standard. The estimated Calmean shall be applicable, for the initial model year under the new standard only.

$$\text{Estimated Withdrawals} = \sum_{j=1}^n \text{Fedsales}_j (\text{Fedcert}_j - \text{Calmean})$$

Where: n = Number of unavailable passenger car and light-duty trucks by model types.

Fedsales = Estimated sales of unavailable federal model types in California for a given model year.

Fedcert = Federal certification level of the engine family containing the unavailable model. Federal certification level shall be taken as the highest level, for each pollutant, of any emission data vehicle in an engine family.

Calmean = Sales weighted mean certification emission level of all California engine families (industry-wide) within the appropriate standards category.

- E. The estimates referred to in Parts B, C, and D shall be corrected at year-end using vehicle production and assembly-line emissions data, if available.
- F. For the purposes of withdrawals, the 0 to 3,999 lbs. and 4,000 to 5,999 lbs. EIW groups may be combined for light-duty trucks.
- G. Manufacturers shall individually be limited to withdrawing the following percentages of accrued credits for offsetting federal vehicles:

Passenger Car NOx	- 8%
Light-Duty Truck HC	- 74%
Light-Duty Truck CO	- 17%
Light-Duty Truck NOx	- 39%

State of California  
AIR RESOURCES BOARD

Public Hearing to Consider Amendments to Sections 1960.5 and 2061, Title 13, California Administrative Code, and Amendment of the Document Incorporated in Those Sections, Regarding Certification of Federally Certified Light-Duty Motor Vehicles for Sale in California

Hearing Date: July 28, 1983  
Public Availability Date: August 16, 1983

On July 28, 1983, the Air Resources Board approved amendments to Sections 1960.5 and 2061, Title 13, California Administrative Code, and to its "Guidelines for Certification of 1983 Model Year Federally Certified Light-Duty Motor Vehicles for Sale in California" (the "Guidelines"), which are incorporated in those sections. Attached is a copy of the Board's Resolution 83-21, approving these amendments.

The approved amendments contain certain modifications to the language originally proposed by staff. Appended to Resolution 83-21 are the approved amendments to Sections 1960.5 and 2061, and to the Guidelines, showing deletions from the originally proposed language in slashes, and additions in double underline.

In approving the amendments, the Board directed the Executive Officer to adopt the amendments after making them available to the public for a period of 15 days, provided, however, that the Executive Officer shall consider such written comments as may be submitted during this period, and shall present the regulations to the Board for further consideration if he determines that this is warranted in light of the written comments received. Any written comments must be received by August 31, 1983, to be considered.

State of California  
AIR RESOURCES BOARD

Response to Significant Environmental Issues

Item: Public Hearing to Consider Amendments to Sections 1960.5 and 2061, Title 13, California Administrative Code, and the Amendment of Documents Incorporated in Those Sections, Regarding the Certification of Federally Certified Motor Vehicles for Sale in California.

Agenda Item No: 83-10-1

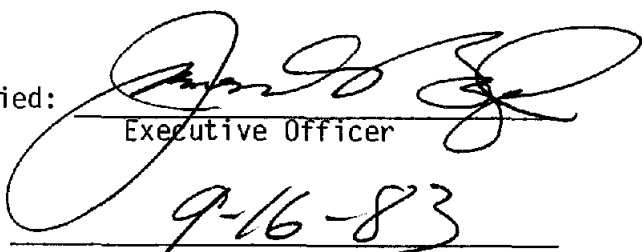
Public Hearing Date: July 28, 1983

Response Date: August 16, 1983

Issuing Authority: Executive Officer

Comment: The only comment raising any environmental issues associated with the proposed action was made by the American Motors Corporation (AMC). AMC commented that amending the regulations to permit offsetting credits between vehicle categories could result in an air quality benefit.

Response: Staff has determined that this issue is not significant. The AMC proposal would likely cause increased emissions because the increased use of offsetting credits to certify federally certified vehicles for sale in California is likely to result in an air quality detriment rather than an air quality benefit.

Certified: 

Executive Officer

Date: 9-16-83

RECEIVED BY  
Office of the Secretary

DEC 06 1983

Resources Agency of California

# Memorandum

To : Gordon Van Vleck  
Secretary  
Resources Agency

Date : December 7, 1983

Subject: Filing of Notice of  
Decisions of the Air  
Resources Board

*Harold Holmes*  
Harold Holmes  
Board Secretary

From : Air Resources Board

Pursuant to Title 17, Section 60007 (b), and in compliance with Air Resources Board certification under section 21080.5 of the Public Resources Code, the Air Resources Board hereby forwards for posting the attached notice of decision and response to environmental comments raised during the comment period.

## ATTACHMENTS

- 83-14
- 83-15
- 83-16
- 83-22
- 83-24

RECEIVED BY  
Office of the Secretary

DEC 06 1983

Resources Agency of California