

CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE
Fuel Specifications and Labeling of Natural Gas
CCR Title 4, New Sections 4192.1 and 4192.2; and Sections 4206 and 4207
February 14, 2025

**PROPOSED TEXT OF THE REGULATION
FIRST 15-DAY MODIFICATIONS**

Originally proposed additions are underlined.
Originally proposed deletions are ~~single strikethrough~~.
Latest proposed additions are double underlined.
Latest proposed deletions are ~~double strikethrough~~.

Chapter 6. Automotive Products Specifications

Article 10. Specifications — Natural Gas

Section 4192.1. Definitions.

(a) The following are varieties of natural gas, as defined in Business and Professions Code Division 5, Section 13400 (b)(10):

(1) “Compressed Natural Gas” or “CNG” is natural gas that has been compressed after processing for storage or transportation purposes.

(2) “Liquefied Natural Gas” or “LNG” is natural gas that has been liquefied after processing for storage or transportation purposes.

(b) The following term defines a variety of natural gas, distinct from subdivision (a), and determined by the secretary to be an alternative motor vehicle fuel in accordance with Business and Professions Code Division 5, Section 13400 (b)(12):

(1) “Compressed Natural Gas – Hydrogen Blend” or “CNG – Hydrogen Blend” is a blend of natural gas and hydrogen, such that the total hydrogen exceeds 0.3 volume percent, that has been compressed after processing for storage or transportation purposes.

Credits

NOTE: Authority cited: Sections 12027, 13400 (b)(12), and 13440 and 13446, Business and Professions Code. Reference: Sections 13400, 13404, 13440, and 13441 and 13446, Business and Professions Code.

Section 4192.2. Specifications — Natural Gas.

~~Natural gas sold as motor vehicle fuel shall meet at least one of the latest specifications set forth in ASTM International Standard Specifications D8080 or D8487, except that total sulfur in D8080 shall not exceed 16 parts per million by volume (ppm(v)).~~

(a) Compressed Natural Gas shall meet the fuel specification adopted in the California Code of Regulations Title 13, Section 2292.5.

(1) If California Code of Regulations Title 13, Section 2292.5 is repealed or modified to be less or equally stringent than the latest specification set forth in ASTM International Standard Specification D8080, then Compressed Natural Gas shall meet the latest specification set forth in ASTM International Standard Specification D8080.

(b) Liquefied Natural Gas shall meet the latest specification set forth in ASTM International Standard Specification D8080.

(c) Compressed Natural Gas – Hydrogen Blend shall meet the latest specification set forth in ASTM International Standard Specification D8487.

Credits

NOTE: Authority cited: Sections 12027, 13400 (b)(12), and 13440 and 13446, Business and Professions Code. Reference: Sections 13400, 13404, 13440, 13441 and 13446, Business and Professions Code.

Chapter 7. Advertising and Labeling of Gasoline and Other Motor Vehicle Fuels

~~Section 4206. Dispenser Labeling Requirements for Compressed Natural Gas and Liquefied Natural Gas~~ Natural Gas.

~~(a) Definitions Used in This Section:~~

~~(1) "Consumer" means, with respect to any item, the first person who purchases such item for purposes other than resale.~~

(2) ~~“Fuel dispenser” means the dispenser through which a retailer sells the fuel to a consumer.~~

(3) ~~“Methane Number” means the antiknock index of compressed natural gas or liquefied natural gas motor vehicle fuel. The Methane Number of compressed natural gas or liquefied natural gas is a calculated value determined by the chemical composition of the fuel, including inert components.~~

(4) ~~“MWM Method” means the algorithm for the calculation of the Methane Number of a natural gas fuel from its composition. The MWM Method algorithm is available in the European Committee for Standardization (CEN) standard EN 16726 “Gas infrastructure — Quality of gas — Group H” (EN16726), Annex A, pages 9 through 30, published December 2015, which is herein incorporated by reference.~~

~~A spreadsheet calculator implementing the MWM Method algorithm and a pdf file of instructions for its use (“readme.pdf”) are available for download at no cost at: http://euromot.org/media_and_events/publications/mn.~~

(5) ~~“Minimum MWM Methane Number” means the lowest MWM Methane Number of natural gas fuel offered for retail sale.~~

(6) ~~“Producer” means any person who purchases component elements and combines them to produce and market natural gas motor vehicle fuels.~~

(7) ~~“Retailer” means any person who markets natural gas motor vehicle fuels to the general public for ultimate consumption.~~

(b) ~~The name of the product and grade designation, if any, shall be conspicuously displayed on each customer side of all natural gas fuel dispensers. For all natural gas fuels, the name of the product and grade designation, if any, shall also appear on all advertising signs and storage tank labels as required in Sections 13480 and 13532 of the Business and Professions Code.~~

(c)(1) ~~A person shall not sell at retail to the general public any compressed or liquefied natural gas for use as a motor vehicle fuel from any place of business in this state unless there is displayed and labeled on the fuel dispenser in a conspicuous place on the customer side the following statement: “MINIMUM METHANE NUMBER XX BY THE MWM METHOD (4 CCR 4206),” where XX is the MWM Methane Number of the dispensed natural gas fuel expressed in a number rounded down to a whole number.~~

~~This statement shall be displayed in Helvetica Black or equivalent font type with characters not less than 1/2 inch in height.~~

~~(2) Natural gas motor vehicle fuel producers shall be responsible for determining the minimum MWM Methane Number to be displayed for the fuel they produce for retail sale to the general public. In making this determination, they may rely on information received from the utility supplying the pipeline gas used to produce their fuel, independent laboratory testing of the composition of the pipeline gas, or any other reliable information available to them. The minimum MWM Methane Number shall be accurate at all times.~~

~~(d)(1) A person shall not sell at retail to the general public any compressed natural gas for use as a motor vehicle fuel from any place of business in this state unless there is displayed and labeled on the fuel dispenser in a conspicuous place on each customer side the following statement: "1 Gasoline Gallon Equivalent (GGE) equals 5.66 lb of Compressed Natural Gas".~~

~~(2) The statement "1 Gasoline Gallon Equivalent (GGE) equals 5.66 lbs. of Compressed Natural Gas" shall be in characters of Helvetica Black or equivalent font type, no less than 3/4 inch in height and on a contrasting background. All lines or marks used in the making or forming of all the characters which are a part of the label shall be at least one-eighth of an inch in width.~~

~~(e)(1) A person shall not sell at retail to the general public any liquefied natural gas for use as a motor vehicle fuel from any place of business in this state unless there is displayed and labeled on the fuel dispenser in a conspicuous place on each customer side the following statement: "1 Diesel Gallon Equivalent (DGE) equals 6.06 lb of Liquefied Natural Gas".~~

~~(2) The statement "1 Diesel Gallon Equivalent (DGE) equals 6.06 lbs. of Liquefied Natural Gas" shall be in characters of Helvetica Black or equivalent font type, no less than 3/4 inch in height and on a contrasting background. All lines or marks used in the making or forming of all the characters that are a part of the label shall be at least one-eighth of an inch in width.~~

~~A person who sells natural gas at retail for use as motor vehicle fuel shall display the following labels in a conspicuous, legible, and indelibly marked manner on each customer facing side of the dispenser:~~

(a) Notwithstanding any other labels required by California law, the following labels shall be displayed in a conspicuous, legible, and indelibly marked manner on each customer-facing side of the dispenser:

~~(a)(1)~~ The natural gas fuel rating label meeting the retail sale requirements of the Federal Trade Commission in accordance with:

~~(1)(A)~~ 16 CFR Part 309 “Labeling Requirements for Alternative Fuels and Alternative Fueled Vehicles,” for ~~compressed natural gas~~, Compressed Natural Gas and Compressed Natural Gas – Hydrogen Blend; or

~~(2)(B)~~ 16 CFR Part 306 “Automotive Fuel Ratings, Certification and Posting,” for ~~liquefied natural gas~~, Liquefied Natural Gas.

~~(b)(2)~~ The product name: In accordance with Business and Professions Code Section 13480, and meeting size and height requirements therein, the product name label shall be either:

~~(1)(A)~~ “Compressed Natural Gas” or “CNG” for ~~compressed natural gas~~, Compressed Natural Gas; or

~~(2)(B)~~ “Liquefied Natural Gas” or “LNG” for ~~liquefied natural gas~~, Liquefied Natural Gas; or

(C) “Compressed Natural Gas – Hydrogen Blend” or “CNG – Hydrogen Blend” for Compressed Natural Gas – Hydrogen Blend.

~~(c)(3)~~ The fuel grade designation (MN_c) as ~~determined by the most recent version of ASTM International D8080 or D8487~~. In accordance with Business and Professions Code Section 13480, and meeting size and height requirements therein, the fuel grade designation label shall be either:

(A) the calculated methane number (MN_c) as “ MN_c 65” or “ MN_c 75” which corresponds with the applicable fuel grades described and determined by ASTM International Standard Specification D8080 for Compressed Natural Gas and Liquefied Natural Gas; or

(B) the calculated methane number (MNC) and hydrogen (H) limit as “MNC 65 H10” or “MNC 75 H10” which corresponds with the applicable fuel grades described and determined by ASTM International Standard Specification D8487 for Compressed Natural Gas – Hydrogen Blend.

(d)(4) The equivalent conversion factor statement label printed in Helvetica Black or Arial Bold font type with a cap height of no less than one-quarter inch shall read either:

(1)(A) “1 Gasoline Gallon Equivalent (GGE) equals 5.66 lb of Compressed Natural Gas” for ~~compressed natural gas.~~ Compressed Natural Gas and Compressed Natural Gas – Hydrogen Blend; or

(2)(B) “1 Diesel Gallon Equivalent (DGE) equals 6.06 lb of Liquefied Natural Gas” for ~~liquefied natural gas.~~ Liquefied Natural Gas.

Credits

NOTE: Authority cited: Sections 12027, 13400 (b)(12), 13440, ~~13442,~~ 13446 and 13480, Business and Professions Code. Reference: Sections ~~12026,~~ 13400, 13404, 13440, ~~13442,~~ 13446, 13451, 13470, 13471, 13473, 13474, 13480, 13484, ~~13590 and 13591,~~ 13531, 13532 and 13536, Business and Professions Code.

Section 4207. Additional Dispenser Labeling Requirements for Liquefied Natural Gas and Compressed Natural Gas. [Repealed]

~~The labeling of all natural gas dispensers shall meet the following retail sale requirements of the Federal Trade Commission for the natural gas fuel rating:~~

~~(a) 16 CFR Part 306 “Automotive Fuel Ratings, Certification and Posting,” for liquefied natural gas.~~

~~(b) 16 CFR Part 309 “Labeling Requirements for Alternative Fuels and Alternative Fueled Vehicles,” for compressed natural gas.~~

Credits

NOTE: Authority cited: Sections 12027 and 13480, Business and Professions Code. Reference: Sections 12026, 13400, 13480, 13590 and 13591, Business and Professions Code.