

**RULE 1003 - REDUCED-EMISSION FLEET VEHICLES/ALTERNATIVE FUELS
(Adopted 7-19-94)****INDEX****100 GENERAL**

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100 **GENERAL:**101 **PURPOSE:**

- 101.1 To reduce the emissions of reactive organic gas (ROG) and oxides of nitrogen from fleet vehicles, by requiring fleet operators to include reduced-emission vehicles (or zero-emission vehicles, or conversion technologies certified by the California Air Resources Board as low-emission or zero-emission) when adding, replacing, rebuilding, or repowering vehicles; and
- 101.2 To encourage, to the extent possible, these vehicles to be operated on cleaner burning alternative fuels, or electric power.

102 **APPLICABILITY**

- 102.1 The provisions of this rule shall become effective January 19, 1995.
- 102.2 Except for the provisions of Sections 110, 111, 112, 113 and 114, this rule shall apply to all fleet operators within the District, including operators of fleets used by governmental entities (including special districts, U.S. Postal Service, and the military), commerce (including taxicab fleets), and industry.
- 102.3 If the owner and operator of the fleet are two or more separate persons, companies, businesses, organizations, or public entities, this rule shall be applicable only to the operator of the fleet.

110 **EXEMPTION - GENERAL:** This rule shall not apply to:

- 110.1 Evaluation of test vehicles operated by vehicle manufacturers for vehicle certification purposes.
- 110.2 Emergency vehicles which, if REV/ALTERNATIVE FUEL vehicles, cannot meet the required emergency vehicle performance standards adopted by the state of California.
- 110.3 Museums in relation to any collection of motor vehicles for display and/or demonstration.
- 110.4 Vehicles at vehicle dealerships or sales lots which are for sale or lease to the public and which are not used in the dealership or sales lot operations.
- 110.5 Daily rental vehicles.
- 110.6 Urban buses operated by the Sacramento Regional Transit District, which are replacement vehicles for the urban buses receiving MERC under District Application ERC 00168, shall not incur an obligation during the term the application is valid.
- 110.7. Privately owned personal vehicles that are used for business purposes except those vehicles used for common operation as defined in Section 208.

111 **EXEMPTION - VEHICLE AVAILABILITY/PERFORMANCE:** A fleet operator shall be exempt from the requirement of this rule to introduce medium-duty and/or heavy-duty REV into a fleet if REV are not commercially available and/or do not meet applicable performance standards, pursuant to Section 405.112 **EXEMPTION - FLEETS OF MIXED VEHICLE WEIGHT:** Fleets which include a mix of vehicle weights, wherein the percentage of heavy-duty vehicles comprise less than ten (10) percent of the total number of vehicles in the fleet, shall be exempt from the obligation to add heavy-duty REV into the fleet.113 **EXEMPTION - TRANSITORY VEHICLES:** Transitory vehicles are exempt from the provisions of this rule, provided they do not comprise more than ten percent (10%) of the fleet (excluding the transitory vehicles), under common operation within the District in any period of time. In order for this exemption to apply, the fleet operator must report and maintain the records required by Rule 1002 - FLEET INVENTORY.114 **EXEMPTION - EXCHANGE VEHICLES:** Exchange vehicles are exempt from the provisions of this rule, provided they do not comprise more than five percent (5%) of the fleet vehicles (excluding the exchange vehicles), or one (1) vehicle (whichever is greater),

under common operation within the District in any period of time. In order for this exemption to apply, the fleet operator must report and maintain the records required by Rule 1002 - FLEET INVENTORY.

200 DEFINITIONS

- 201 **ACTIVE VEHICLE:** A fleet motor vehicle which has been driven one hundred (100) miles or more, in fleet use, during the reporting year established by Rule 1002 - FLEET INVENTORY.
- 202 **AFFECTED POLLUTANTS:** Reactive organic gas (ROG) and oxides of nitrogen (NOx).
- 203 **ALTERNATIVE FUEL:** A motor vehicle fuel consisting of methanol, ethanol (including methanol and/or ethanol in combination with gasoline as approved by the California Air Resources Board as an alternative fuel), liquified petroleum gas (LPG), compressed natural gas (CNG), liquified natural gas (LNG), or electricity.
- 204 **BASE VEHICLE:** Any motor vehicle that is not a California Air Resources Board-certified reduced-emission vehicle.
- 205 **CERTIFICATE OF ADVANCE PLACEMENT (CAP):** Acknowledgment of potentially surplus emissions reductions for exceeding the obligation established by this rule for light-duty and medium-duty vehicles.
- 206 **COMMERCIAL PURPOSE:** Any activity facilitating the manufacture, alteration, distribution, storage, marketing, rental, sale, provision or transportation of goods or services, or the transportation of people; whether for profit or nonprofit.
- 207 **COMMERCIALLY AVAILABLE:** A reduced-emission motor vehicle and/or motor vehicle engine is commercially available if it is produced by two or more competitive manufacturers, and is available for purchase or lease. As used in this Section, a "manufacturer" is the entity that certifies the vehicle and/or vehicle engine with the federal Environmental Protection Agency and/or the California Air Resources Board.
- 208 **COMMON OPERATION:** Fleet vehicles under common operation means vehicles that are controlled by a person, company, business, corporation, organization, public entity, or any combination thereof, in the following manner:
- 208.1 Vehicles that are dispatched from and maintained at a central location at the direction and expense of the operator, and are, or can be, repowered or replaced at the direction of the fleet operator;
 - 208.2 Vehicles leased or purchased for an individual by the operator for use in the conduct of the business of the operator, and that are, or can be, repowered or replaced at the direction of the fleet operator, or;
 - 208.3 Vehicles owned or leased by employees of a fleet operator where the employee receives a payment, or a series of payments, from the fleet operator for the purpose of leasing or purchasing a vehicle for use in the conduct of the business of the fleet operator, and that are, or can be repowered or replaced at the direction of the fleet operator, or;
 - 208.4 Vehicles regulated by this rule that are added to any fleet at the direction of the fleet operator.
- 209 **COMMON OWNERSHIP:** Fleet vehicles under common ownership are those vehicles for which legal title is held by the same person, company, business, corporation, organization, or public entity.

- 210 **COMPLIANCE OPTION:** A program implemented by a fleet operator who is regulated by this rule, that achieves emissions reductions. The program, either alone or with the use of MERC and/or CAP, reduces emissions to at least the same level, over the same time frame, as required by this rule.
- 211 **DAILY RENTAL VEHICLE:** A light-duty or medium-duty motor vehicle which is rented to a person, business, government agency, or special district under a contractual agreement with the legal or registered owner of the vehicle, for a period of fewer than thirty (30) days.
- 212 **DIESEL-CYCLE ENGINE:** A vehicle engine classified by the California Air Resources Board as a "diesel cycle engine".
- 213 **EMERGENCY VEHICLE:** Any motor vehicle operated by a public law enforcement agency, public fire protection agency, or a public or private ambulance/paramedic service, which is used or intended to be used solely for response to an emergency (an unforeseen combination of circumstances that calls for immediate action to prevent further injury, loss of life, or damage to property).
- 214 **EMFAC:** The computer model approved by the California Air Resources Board for estimating emission rates from mobile and transportation sources.
- 215 **EXCHANGE VEHICLE:** A vehicle or vehicles, which is (are) part of a larger fleet under the same common ownership, of the same weight class and engine type, and which is (are) brought into a fleet, in exchange for an existing fleet vehicle.
- 216 **FLEET:** Except as provided in Section 218, fifteen (15) or more active vehicles under common ownership or common operation, operated within the District, and which are:
- 216.1 Operated by any business which is required to have a business license in the District, and which is located within the District; or
 - 216.2 Operated by any federal, state, regional, or local agency from a location within the District.
- 217 **FLEET CLASSES:**
- 217.1 Class 1: Fleets that are privately owned or operated, except as provided for in Section 217.2(b)
 - 217.2 Class 2:
 - a. Fleets owned and/or operated by a government agency (including military and post office), public utility, special district, or school district.
 - b. Privately owned fleets which are not regulated by this rule, which opt-in for the purpose of obtaining credits.
- 218 **FLEET: OPT-IN:** Two (2) or more active vehicles under common ownership or common operation and used for commercial or public purposes that are not a fleet as defined in Section 216, if the owner or operator has voluntarily chosen to be subject to this rule and Rule 1002 - FLEET INVENTORY.
- 219 **FLEET OPERATOR:** The person, company, business, corporation, organization or public entity that is in charge of managing a fleet pursuant to the criteria in Section 208.
- 220 **FLEXIBLE FUEL VEHICLE:** A motor vehicle that is capable of being operated on gasoline or diesel fuel and an alternative fuel.
- 221 **INDIRECT SOURCE:** Any facility, building, structure or installation, land use, or combination thereof which generates or attracts mobile source activity that results in emissions of any pollutant for which there is a state ambient air quality standard. Examples of indirect sources include, but are not limited to: employment sites, shopping centers, schools, sports facilities, recreation facilities and amusement parks, airports, and residential commercial or industrial developments, or parking lots and garages.

- 222 **MOBILE SOURCE EMISSION REDUCTION CREDIT (MERC):** Actual emissions reductions that are registered with the District in accordance with the requirements of Rule 1005 - MOBILE SOURCE EMISSION REDUCTION CREDITS/BANKING.
- 223 **MODEL YEAR:** The year in which a motor vehicle is manufactured, as encoded in the vehicle identification number (VIN).
- 224 **MOTOR VEHICLE, OR VEHICLE:** Any self-propelled motorized transportation device of any vehicle weight classification, or combination of such classifications, that is certified by the California Air Resources Board for, and designed for, on-road use.
- 225 **NEW VEHICLE:** Any motor vehicle for which the first Certificate of Ownership is issued by the California Department of Motor Vehicles, or a heavy-duty fleet vehicle three years old or older in which the engine has been rebuilt or the vehicle has been repowered after (date of rule adoption).
- 226 **OBLIGATION:** The requirement of a fleet operator to reduce emissions of reactive organic gases (ROG) and/or oxides of nitrogen (NOx), when adding, replacing, or repowering vehicles in a fleet; or when rebuilding the engine in a fleet vehicle. Obligation is expressed in terms of the average pounds of emissions per vehicle per year.
- 227 **OTTO-CYCLE ENGINE:** A vehicle engine classified by the California Air Resources Board as an "otto-cycle engine".
- 228 **PM10:** Particulate matter with an aerodynamic diameter smaller than or equal to a nominal 10 microns as measured by an applicable reference test method or methods found in Article 2, Subchapter 6, Title 17, California Code of Regulations (commencing with Section 94100).
- 229 **PREVIOUSLY CLAIMED REV:** A REV which has been used to meet an obligation or generate MERC/CAP (or local equivalent thereof), anywhere in California.
- 230 **PUBLIC PURPOSE:** Any federal, state, regional, special district, or local governmental function, including military activities.
- 231 **REACTIVE ORGANIC GAS (ROG):** Any organic gas containing carbon except: methane, carbon monoxide, carbon dioxide, carbonic acid, metallic carbides or carbonates, ammonium carbonates, and halogenated hydrocarbons.
- 232 **REBUILT ENGINE:** A motor vehicle engine in which the crankshaft and/or pistons have been removed to allow for the repair and/or replacement of any internal engine components, in a vehicle more than three (3) model years old.
- 233 **REDUCED-EMISSION VEHICLE (REV):** Any motor vehicle that is:
- 233.1 Certified by the California Air Resources Board as one of the following:
- a. Transitional low-emission vehicle (TLEV).
 - b. Low-emission vehicle (LEV).
 - c. Ultra-low-emission vehicle (ULEV).
 - d. Zero-emission vehicle (ZEV), or
- 233.2 A heavy-duty vehicle meeting either:
- a. California Air Resources Board-certified low-emission standards, or
 - b. A heavy-duty vehicle powered by an engine certified to one of the federal clean fuel fleet emission standards for heavy-duty engines (40 CFR Section 88.105-94). LEV (on California fuel), ULEV, or ZEV standards (40 CFR Parts 86 and 88). The LEV standard is 3.5 g/bhp-hr NMHC+NOx for certification on California diesel fuel. The ULEV standard is 2.5 g/bhp-hr NMHC+NOx, and the ZEV standard is zero NMHC+NOx. Heavy-duty engines certified to the federal LEV (on California fuel), ULEV, and ZEV

- standards are to be considered as 3.5, 2.5, and zero g/bhp-hr NO_x engines, respectively, for the purpose of calculating compliance with Rule 1003.
- c. Reduced emission standards for NO_x, or combined hydrocarbons plus NO_x, may be adopted by the federal Environmental Protection Agency or the California Air Resources Board. As used in this Section, "reduced emission" means that the numerical value of the reduced emission standard is less than the numerical value of the highest NO_x standard otherwise applicable in the Sacramento area to the engine and application under consideration.
- 234 **REGISTER:** The record maintained by the District of all CAP deposits, withdrawals, transfers, and other transactions that result from this rule.
- 235 **REPOWER:** A new engine which is placed into service in a motor vehicle more than three (3) model years old.
- 236 **RETROACTIVE CREDIT:** MERC and/or CAP, approved by the District, for an emissions reduction occurring prior to (six months after date of adoption).
- 237 **STACKING:** The use of short term MERC to meet a long term obligation which provides disproportionate high emissions reductions in one time period of the obligation, and disproportionate low (or no) emissions reductions at another time period of the obligation.
- 238 **TRANSITORY VEHICLES:** A vehicle or vehicles which is (are) part of a larger fleet under the same common ownership, brought into a fleet for a period of time not to exceed twelve (12) months, and following that time is (are) removed from the fleet.
- 239 **URBAN BUS:** Any heavy-duty fleet vehicle used for transit or shuttle operations.
- 240 **USED REV:** A used vehicle that is a REV, which has not been previously claimed.
- 241 **USED VEHICLE:**
- 241.1 Any motor vehicle which has had one or more changes in ownership recorded by the California Department of Motor Vehicles, or comparable agency in any other state, province, or country; or
- 241.2 Any motor vehicle, registered in another state, province, or country, which is brought into service in the District, and for which there is no change of ownership.
- 242 **VEHICLE WEIGHT CLASSIFICATION:** A motor vehicle classification that is one of the following:
- 242.1 Light-duty vehicle: This class includes:
- a. Passenger car: any vehicle designed primarily for transportation of persons and having a design capacity of 12 persons or less, and rated at 0-3750 pounds test weight, or
- b. Light-duty truck: any motor vehicle rated at 6,000 pounds gross vehicle weight or less which is designed primarily for purposes of transportation of property or is a derivative of such vehicle.
- 242.2 Medium-duty vehicle: This class includes any motor vehicle having a gross vehicle weight (GVR) of 6,001-14,000 pounds.
- 242.3 Heavy-duty vehicle: This class includes any motor vehicle with a gross vehicle weight rating of over 14,000 pounds.
- a. Medium-heavy-duty vehicle (MHD): This class includes any motor vehicle, or a combination of a motor vehicle and semi-trailer or trailers with a total gross vehicle weight of 14,001 to 33,000 pounds.
- b. Heavy-heavy-duty vehicle (HHD): This class includes any motor vehicle, or a combination of a motor vehicle and semi-trailer or trailers with a total gross vehicle weight of more than 33,000 pounds.

300 STANDARDS

- 301 OBLIGATION:** Except as provided for in Section 301.4, a fleet operator shall incur obligation for each active vehicle added, repowered, or rebuilt in a fleet.
- 301.1**
- a. The obligation may be satisfied by incorporating REV's into the fleet. Alternatively, the options described in Section 302 may be used.
 - b. The life of any obligation incurred and the life of any MERC/CAP used to satisfy the obligation shall be coterminous, as set forth in Sections 301.2(b), 301.3(b) and 305.
 - c. When calculating the obligation, ROG and oxides of nitrogen shall be treated as precursors to the formation of ozone on a 1:1 basis (*i.e.* 1 pound of ROG = 1 pound of NO_x).
- 301.2** The obligation for light-duty and medium-duty Class 1 and Class 2 fleet vehicles is set forth in Tables 1-A through 1-E, inclusive, and Table 6 (6A through 6F).
- a. The obligation for light-duty and medium-duty vehicles is satisfied by incorporating the number of new reduced emission vehicles into the fleet, specified in Table 6 (6A through 6F), or when the arithmetic average of the lifetime annual average emissions for the light-duty and/or medium-duty vehicle(s) added to or replaced in a fleet is equal to, or less than, the applicable obligation for the calendar year in which the obligation is/was incurred. When determining the obligation for light-duty and medium-duty vehicles, the fleet operator shall use Table 6 (6A through 6F) exclusively, or Table 1 (1-A through 1-E) exclusively.
 - b. The life of the obligation for used light-duty or medium-duty vehicles is three years. The life of the obligation for new light-duty or medium-duty vehicles is five years.
 - c. The lifetime average annual emissions for light-duty and medium-duty vehicles are set forth in Tables 2-A through 2-E, inclusive, and Tables 3-A through 3-J, inclusive.
 - d. The obligation for light-duty and medium-duty vehicles is calculated by completing Worksheet 1A. One or two worksheets must be completed for vehicles having different obligations. Worksheet 1A-1 must be completed for vehicles added to a fleet where the model year is the same as the current calendar year and all prior calendar years. Worksheet 1A-2 must be used for vehicles added to a fleet with a model year after the current calendar year. Worksheets are not required if the obligation for new light-duty and new medium-duty fleet vehicles is taken directly from Table 6 (6A through 6F).
- 301.3** The obligation for heavy-duty vehicles is set forth in Tables 4-B or 4-C.
- a. The obligation for heavy-duty vehicles is satisfied when the arithmetic average of the lifetime average annual emissions for heavy-duty vehicles added to, or rebuilt, or repowered in a fleet is equal to, or less than, the applicable obligation for the calendar year in which the obligation is/was incurred.
 - b. The life of the obligation for heavy-duty vehicles with a gross vehicle weight of 14,001 to 26,000 pounds is six years. The life of the obligation for heavy-duty vehicles with a gross vehicle weight of 26,001 to 33,000 pounds is nine years. The life of the obligation for heavy-duty vehicles with a gross vehicle weight of 33,000 pounds or more is twelve years.
 - c. The lifetime average annual emissions for heavy-duty vehicles are set forth in Table 4, and are calculated by multiplying the relevant certification standard (Table 4-A-1 or Table 4-A-2) by the appropriate conversion factor (Table 4-D).
 - d. The obligation for heavy-duty vehicles is calculated by completing Worksheet 2. A separate worksheet must be completed for each category of heavy-duty vehicle listed separately in Tables 4-B and 4-C.

- 301.4 A fleet operator adding REV for which MERC/CAP was/were previously claimed does not incur obligation for those vehicles, and cannot use such vehicles to receive additional MERC/CAP.
- 301.5 A fleet operator shall incur an obligation for each used REV added to the fleet. MERC/CAP may be issued for the vehicle pursuant to Section 402. The used REV may count toward satisfying an obligation, or may be banked under the provisions of Rule 1005 - MOBILE SOURCE EMISSION REDUCTION CREDIT/BANKING.
- 301.6 A fleet operator who rebuilds an engine or repowers a vehicle that is more than three model years old incurs the same obligation as set forth in Section 301.2 and 301.3.
- 301.7 The owner of more than one (1) vehicle under common ownership or operation and used for commercial purposes may opt-in to this rule in order to earn MERC/CAP. Any person opting-in to this Rule incurs an obligation and is subject to all of the requirements of this Rule.
- 301.8 The obligation is incurred when a fleet vehicle is added, repowered, or has the engine rebuilt, and the vehicle becomes active. The calendar year in which the fleet operator commits over fifty percent (50%) of the funds or financing for fleet vehicle acquisition establishes the reporting year in Rule 1002 - FLEET INVENTORY, and the calendar year from Table 1 to be used in completing Worksheet 1A-1 and/or 1A-2, or Table 6 (6A through 6F).
- 301.9 If funding or financing for fleet vehicle acquisition is the same from year to year, the Air Pollution Control Officer shall determine the calendar year which is the reporting year in Rule 1002 - FLEET INVENTORY, and the calendar year from Table 1 to be used in completing Worksheet 1A-1 and/or 1A-2
- 302 UNMET OBLIGATION:**
- 302.1 If a fleet operator does not meet the obligation established by this rule, the fleet operator shall demonstrate to the Air Pollution Control Officer:
- that the unmet light-duty and medium-duty portion of the obligation will be satisfied through the submission of sufficient CAP acquired pursuant to this rule, and/or
 - that the unmet portion of the obligation will be met through MERC obtained pursuant to Rule 1005 - MOBILE SOURCE EMISSION REDUCTION CREDIT/BANKING, and submittal of the MERC to the District, or
- 302.2 Alternatively, if a fleet operator is not able to comply with the requirements of Section 302.1, the fleet operator shall indicate in writing how the obligation for the current reporting period, plus the following two annual reporting periods, will be met by the end of the third year after the obligation was first incurred. Three years is the maximum period over which a fleet operator's obligation may be averaged.
- 302.3 The obligation for a fleet operator choosing to comply with this rule pursuant to Section 302.2 shall be multiplied by a factor of 1.2 for each year of the three year period, compounded annually over the three year period.
- 303 MOBILE SOURCE EMISSION REDUCTION CREDIT (MERC)/CERTIFICATE OF ADVANCE PLACEMENT (CAP):**
- 303.1 Fleet owners exceeding the obligation for Class 1 or Class 2 fleets may earn CAP for light-duty and/or medium-duty vehicles, as calculated in the worksheet in Worksheet 1, subject to compliance with Sections 401, and 402.
- 303.2 Fleet owners exceeding the obligation for Class 1 or Class 2 fleets may earn MERC for heavy-duty vehicles, as calculated in Worksheet 2, subject to compliance with Section 401.
- 303.3 All MERC earned pursuant to this rule by exceeding an obligation for heavy-duty vehicles; or the use of an alternative fuel in light-duty or medium-duty vehicles creating reductions greater than the obligation, in compliance with Section 307, shall be processed under the provisions of Rule 1005 - MOBILE SOURCE EMISSION REDUCTION CREDIT/BANKING.

- 303.4 A fleet owner introducing reduced-emission vehicles prior to the effective date of this rule may apply to the District for approval of retroactive MERC and/or CAP, subject to the requirements of Rule 1005 - MOBILE SOURCE EMISSION REDUCTION CREDIT/BANKING.
- 304 USE OF CAP:**
- 304.1 CAP may only be used to satisfy the light-duty and medium-duty portion of the fleet obligation.
- 304.2 CAP may be saved to offset a future obligation, sold, or traded; subject to the provisions of Section 403.
- 304.3 CAP may be processed pursuant to Rule 1005 - MOBILE SOURCE EMISSION REDUCTION CREDIT/BANKING.
- 304.4 CAP may be spread over the life of an obligation. This means that the obligation in Section 301 may be satisfied by using a part of the lifetime of a longer term CAP.
- 304.5 CAP stacking shall be permitted over the life of an obligation, provided that the obligation, averaged over any three year period of its life, is met with sufficient CAP or MERC.
- 305 MERC/CAP LIFE:**
- 305.1 The life of CAP or MERC is based on the fleet average life of the reduced emission vehicle used to earn the CAP or MERC, and is specified in this Section.
- 305.2 CAP issued for used light-duty or medium-duty REV shall be valid for a period of three years.
- 305.3 CAP issued for new light-duty or medium-duty REV shall be valid for a period of five years.
- 305.4 MERC issued for heavy-duty REV, with a gross vehicle weight of 14,000 to 25,999 pounds, shall be valid for a period of six years.
- 305.5 MERC issued for heavy-duty REV, with a gross vehicle weight of 26,000 to 32,999 pounds, shall be valid for a period of nine years.
- 305.6 MERC issued for heavy-duty REV, with a gross vehicle weight of 33,000 pounds or more, shall be valid for a period of twelve (12) years.
- 305.7 CAP or MERC life begins on the date of issuance by the District, and may be held for a maximum of three (3) years without losing any credit life.
- 306 CAP VALUE:**
- 306.1 Except as provided by Section 305.7, the remaining life for CAP shall decrease by one year for each full calendar year following the date of credit issuance, and by one quarter calendar year for each calendar quarter following the date of issuance, or portion thereof, until it has no remaining life.
- 306.2 The actual dollar value of CAP traded or sold shall be reported to the District pursuant to the requirements of Section 403.
- 307 ALTERNATIVE FUEL CREDIT:**
- 307.1 Pursuant to Section 307.2, CAP may be issued for the use of an alternative fuel in a flexible-fuel fleet vehicle, or dedicated alternative fuel vehicle, and used to meet the obligation of the fleet. CAP is earned for the emission benefits from transfer and refueling with alternative fuels. The CAP benefits are based on the total gallons, or therms, or kilowatt-hours used, and is determined by completing the appropriate sections of Worksheet 1B.
- 307.2 Notwithstanding the provisions of Section 307.1, no CAP shall be granted for fuel transfer, refuelling, and evaporative emissions for heavy-duty diesel-powered vehicles that are converted to operate on an alternative fuel.
- 307.3 CAP issued for each dual-certified flexible-fuel fleet vehicle will acknowledge the more stringent certification category and may be registered, sold, or traded pursuant to Section 303, 403 and/or Rule 1005 - MOBILE SOURCE EMISSION REDUCTION CREDIT/BANKING, provided that:
- a. The alternative fuel meets the requirements of the California Air Resources Board.

- b. At least 75% (by volume) of the fuel used to power the vehicle is an alternative fuel (where 1 therm of gaseous fuel = 1 gallon of liquid fuel = 1 kilowatt-hour of electricity).
 - 307.4 Fleet owners who retrofit or repower fleet vehicles with California Air Resources Board low-emission conversions (Air Resources Board Resolution 92-34, or as subsequently amended by the Air Resources Board) to allow the use of alternative fuels may apply for MERC, subject to the provisions of this section. The provisions of this section shall not apply if the fleet owner is required to retrofit or repower their fleet vehicles with low-emission conversions by any other local, state, or federal rule or regulation.
 - 307.5 For 1994 and later model year vehicles, no MERC/CAP shall be issued for any flexible fuel vehicle, where the fuels are commingled in the same tank, that does not have a factory installed meter to register the percentage of fuel in the tank that is an alternative fuel.
- 308 **VEHICLE MAINTENANCE:** A fleet operator shall comply with the following conditions for all fleet vehicles operated in the District:
- 308.1 Vehicles shall be maintained at a level at least equal to the manufacturer's minimum recommended maintenance requirements.
 - 308.2 Any motor vehicle pollution control devices installed on the engine when originally built shall be in place and kept in good working order.
 - 308.3 The engine fuel system shall be set to, and maintained at, the manufacturer's recommended fuel supply settings.

400 ADMINISTRATIVE REQUIREMENTS

401 CALCULATION OF COMPLIANCE:

- 401.1 The fleet operator shall calculate compliance status by completing the appropriate worksheet(s), or by satisfying the requirements of Table 6 (6A through 6F).
- 401.2 For purposes of this Section a "complete" worksheet means a separate worksheet that includes applicable information for each class of fleet vehicles, each vehicle weight classification, and for each otto-cycle and diesel-cycle engine in weight classes above 8,500 pounds.
- 401.3 The fleet operator shall submit the completed worksheets to the Air Pollution Control Officer within 45 days after the date of the reporting period established for the fleet in Rule 1002 - FLEET INVENTORY.
- 401.4 The completed worksheet(s) shall clearly demonstrate that the obligation for the fleet for the reporting period established by Rule 1002 - FLEET INVENTORY:
 - a. has been exceeded.
 - b. has been met.
 - c. has not been met.

402 ISSUANCE OF CAP:

- 402.1 The Air Pollution Control Officer shall issue CAP for light-duty and medium-duty vehicles, if the calculations prepared pursuant to Section 401 clearly demonstrate that the fleet exceeds the obligation, and otherwise comply with this rule.
- 402.2 No CAP shall be issued for any previously claimed REV.
- 402.3 The Air Pollution Control Officer shall list the title to CAP in the Register.
- 402.4 The Air Pollution Control Officer shall issue one copy of the CAP certificate to the fleet owner by mail or in person. The issuance of any CAP certificate shall not constitute evidence of compliance with the rules and regulations of the District, or a representation or assurance to the recipient upon which reliance is authorized or intended that the CAP represented by the CAP certificate are available from the Register.
- 402.5 Each CAP shall contain:
 - 1. Name of the person or company to whom the CAP is issued.
 - 2. CAP identification number, and
 - 3. Date of issuance, and

4. Signature of one responsible District official, and
 5. Life of the CAP.
 6. A statement regarding the possibility of invalidation of the CAP if, upon audit, it is determined by the Air Pollution Control Officer that the CAP was fraudulently acquired, and absolving the District from any liability from any transaction involving the CAP Certificate.
- 402.6 The issuance of a CAP shall not constitute compliance with the rules and regulations of the District, or a representation or assurance to the recipient upon which reliance is authorized or intended that the CAP represented by the CAP Certificate are available from the Register established by Rule 1005 - MOBILE SOURCE EMISSION REDUCTION CREDITS/BANKING.
- 403 **CAP TRACKING:**
- 403.1 The sale or transfer of any CAP must be recorded in the Register, by the Air Pollution Control Officer, and must include the following information:
1. Name and address of the current CAP owner, and
 2. Name and address of the proposed new CAP owner, and
 3. Proposed use of the credit if appropriate, and
 4. The amount of credit to be sold or transferred, and
 5. The dollar value of the transaction.
- 403.2 Multiple owners of CAP shall be separated according to agreements, filed with the District between the owners, with CAP issued to each owner for their respective portion.
- 403.3 Upon transfer of CAP between parties, the transferor's CAP Certificate, a copy of a writing, signed by the transferor and notarized by a notary public, which warrants that the transferor right to transfer the CAP free and clear of any and all liens or other encumbrances, and authorizes the transfer of the CAP to the transferee. This writing must be surrendered to the Air Pollution Control Officer by the transferee, within 30 days of the date of the writing authorizing the transfer of CAP. The transferor shall indemnify District in any action by a third party arising out of a dispute over the transfer of the CAP.
- 403.4 Upon receipt and review of documents referred to in Section 403.3, the Air Pollution Control Officer shall issue a new CAP Certificate in the name of the transferee. By issuing a new certificate to a transferee, the Air Pollution Control Officer does not warrant that the CAP is free and clear of any lien or other encumbrance. If fewer than all of the transferor's CAP are transferred, a new Certificate shall be issued to the transferor showing the remaining CAP. The District may refuse to recognize any transfer of CAP that does not comply with the requirements of this section.
- 403.5 The original CAP certificate surrendered by the registered owner shall be filed in the Register, and marked with the date of issuance of the new CAP certificate(s), the amount of CAP transferred, the dollar value of the CAP at the time of registration, and the new CAP certificate number(s). If fewer than all CAP are transferred, the new balance in the name of the original owner shall be entered in the Register.
- 403.6 Prior to acquiring MERC/CAP, as a result of a sale or a trade, the person proposing to acquire the MERC/CAP should verify with the District the District's records of current ownership and the remaining life of the MERC/CAP.
- 404 **OPT-IN/OPT-OUT REQUIREMENTS:**
- 404.1 The owner of more than one (1) motor vehicle which are used for commercial purposes may opt-in to this rule in order to earn CAP for light-duty and medium-duty vehicles, and MERC for heavy-duty vehicles, if each of the following conditions is met:
- a. The vehicle owner must enter into a contract with the District, agreeing to be bound by all the terms and conditions of this rule.
 - b. The agreement must contain provisions which detail the consequences for withdrawal from, or violation of, this Rule.

404.2 A fleet owner who has opted-in to this rule and wishes to opt-out of this rule shall provide the Air Pollution Control Officer with written notification of the intent to opt-out of this rule.

405 **REV/ALTERNATIVE FUEL AVAILABILITY/PERFORMANCE:** The Air Pollution Control Officer may waive the requirement to add REV/ALTERNATIVE FUEL for medium-duty and/or heavy-duty fleet vehicles if the fleet operator demonstrates to the satisfaction of the Air Pollution Control Officer:

405.1 The medium-duty and/or heavy-duty reduced-emission vehicle and/or engine is not commercially available; or

405.2 If available, that the REV/ALTERNATIVE FUEL vehicle is not able to perform to the same standard of operation; or

405.3 The refuelling/recharging and service support infrastructure necessary for the operation of the vehicle in its normal area of operation is not available; or

405.4 If a medium-duty or heavy-duty reduced emission engine is available for repowering a vehicle, but would void the original equipment manufacturer's warranty for the chassis or drivetrain, the fleet operator shall not be required to use that engine.

500 **MONITORING AND RECORDS:**

501 501.1 A fleet operator shall keep vehicle maintenance records for each fleet vehicle while the vehicle is in the fleet, and for a period of two years after the vehicle is removed from the fleet.

APPENDIX A

RULE 1003 REDUCED-EMISSION FLEET VEHICLES/ALTERNATIVE FUELS
TABLE 1

NOTE: ZERO-EMISSION VEHICLES DO NOT INCUR ANY OBLIGATION.

TABLE 1-A OBLIGATION FOR LIGHT-DUTY AUTOMOBILES (ROG AVERAGE, POUNDS/YEAR/VEHICLE)

FLEET CLASS		CALENDAR YEAR CORRESPONDING TO REPORTING PERIOD					
		1994	1995	1996	1997	1998	1999
CLASS 2	MY ≤ CY	13.90	12.90	10.30	8.28	3.85	3.71
	MY=CY+1	12.90	10.30	8.28	3.85	3.71	NC
CLASS 1	MY ≤ CY	14.00	13.50	11.60	9.40	4.89	3.85
	MY=CY+1	13.50	11.60	9.40	4.89	3.85	NC

TABLE 1-B OBLIGATION FOR LIGHT-DUTY TRUCKS (ROG AVERAGE, POUNDS/YEAR/VEHICLE)

FLEET CLASS		CALENDAR YEAR CORRESPONDING TO REPORTING PERIOD					
		1994	1995	1996	1997	1998	1999
CLASS 2	MY ≤ CY	17.10	15.80	13.30	10.60	5.85	5.59
	MY=CY+1	15.80	13.30	10.60	5.85	5.59	NC
CLASS 1	MY ≤ CY	17.30	16.80	15.60	12.60	7.78	5.83
	MY=CY+1	16.80	15.60	12.60	7.78	5.83	NC

TABLE 1-C OBLIGATION FOR MEDIUM-DUTY GASOLINE POWERED VEHICLES, 6,000 TO 8,500 LBS. GROSS VEHICLE WEIGHT (ROG AVERAGE, POUNDS/YEAR/VEHICLE)

FLEET CLASS		CALENDAR YEAR CORRESPONDING TO REPORTING PERIOD					
		1994	1995	1996	1997	1998	1999
CLASS 2	MY ≤ CY	-	-	23.30	20.00	15.10	12.60
	MY=CY+1	-	23.30	20.00	15.10	12.60	NC
CLASS 1	MY ≤ CY	-	-	-	22.70	17.80	15.20
	MY=CY+1	-	-	22.70	17.80	15.20	NC

TABLE 1-D OBLIGATION FOR MEDIUM-DUTY GASOLINE POWERED VEHICLES, 8,500 TO 14,000 LBS. GROSS VEHICLE WEIGHT (ROG AVERAGE, POUNDS/YEAR/VEHICLE)

FLEET CLASS		CALENDAR YEAR CORRESPONDING TO REPORTING PERIOD					
		1994	1995	1996	1997	1998	1999
CLASS 2	MY ≤ CY	-	-	16.90	16.10	14.40	13.70
	MY=CY+1	-	16.90	16.10	14.40	13.70	NC
CLASS 1	MY ≤ CY	-	-	-	16.60	14.90	14.30
	MY=CY+1	-	-	16.60	14.90	14.30	NC

TABLE 1-E OBLIGATION FOR MEDIUM-DUTY DIESEL POWERED VEHICLES, 8,500 TO 14,000 LBS. GROSS VEHICLE WEIGHT (ROG AVERAGE, POUNDS/YEAR/VEHICLE)

FLEET CLASS		CALENDAR YEAR CORRESPONDING TO REPORTING PERIOD					
		1994	1995	1996	1997	1998	1999
CLASS 2	MY ≤ CY	-	-	23.20	19.90	16.50	13.40
	MY=CY+1	-	23.20	19.90	16.50	13.40	NC
CLASS 1	MY ≤ CY	-	-	-	23.10	19.80	16.50
	MY=CY+1	-	-	23.10	19.80	16.50	NC

**RULE 1003 REDUCED-EMISSION FLEET VEHICLES/ALTERNATIVE FUELS
TABLE 2**

TABLE 2-A LIFETIME AVERAGE EMISSIONS FOR LIGHT-DUTY GASOLINE POWERED AUTOMOBILES (ROG AVERAGE, POUNDS/YEAR/VEHICLE)

	VEHICLE MODEL YEAR									
	1990*	1991	1992	1993	1994	1995	1996	1997	1998	1999
NON-REV	23.53	23.40	20.80	19.60	14.30	13.90	12.80	11.90	8.44	8.43
TLEV	N/A	N/A	N/A	12.50	12.40	12.00	10.10	9.17	5.71	5.70
LEV	N/A	N/A	N/A	N/A	10.60	10.20	8.30	7.40	3.94	3.95
ULEV	N/A	N/A	N/A	N/A	9.88	9.51	7.58	6.68	3.22	3.22
ZEV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TABLE 2-B LIFETIME AVERAGE EMISSIONS FOR LIGHT-DUTY GASOLINE POWERED TRUCKS (ROG AVERAGE, POUNDS/YEAR/VEHICLE)

	VEHICLE MODEL YEAR									
	1990*	1991	1992	1993	1994	1995	1996	1997	1998	1999
NON-REV	25.20	24.20	22.20	20.70	18.00	17.80	17.90	17.20	14.40	14.40
TLEV	N/A	N/A	N/A	13.20	13.20	12.90	11.70	11.00	8.17	8.17
LEV	N/A	N/A	N/A	N/A	11.00	10.70	9.56	8.84	6.01	5.98
ULEV	N/A	N/A	N/A	N/A	9.26	8.98	7.81	7.09	4.23	4.19
ZEV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TABLE 2-C LIFETIME AVERAGE EMISSIONS FOR MEDIUM-DUTY GASOLINE POWERED VEHICLES, 6,000 TO 8,500 LBS. GROSS VEHICLE WEIGHT (ROG AVERAGE, POUNDS/YEAR/VEHICLE)

	VEHICLE MODEL YEAR									
	1990*	1991	1992	1993	1994	1995	1996	1997	1998	1999
NON-REV	36.40	37.00	32.70	29.30	27.90	26.20	26.30	25.70	23.50	23.50
LEV	N/A	N/A	N/A	N/A	17.30	16.60	15.50	14.90	12.70	12.80
ULEV	N/A	N/A	N/A	N/A	13.20	12.50	11.40	10.70	8.64	8.63
ZEV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TABLE 2-D LIFETIME AVERAGE EMISSIONS FOR MEDIUM-DUTY GASOLINE POWERED VEHICLES, 8,500 TO 14,000 LBS. GROSS VEHICLE WEIGHT (ROG AVERAGE, POUNDS/YEAR/VEHICLE)

	VEHICLE MODEL YEAR									
	1990*	1991	1992	1993	1994	1995	1996	1997	1998	1999
NON-REV	24.30	24.30	22.50	22.40	22.10	18.90	17.60	17.30	16.00	16.10
LEV	N/A	N/A	N/A	N/A	N/A	16.60	15.50	15.20	14.00	13.90
ULEV	N/A	N/A	N/A	N/A	N/A	12.40	11.30	10.90	9.69	9.75
ZEV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TABLE 2-E LIFETIME AVERAGE EMISSIONS FOR MEDIUM-DUTY DIESEL POWERED VEHICLES, 8,500 TO 14,000 LBS. GROSS VEHICLE WEIGHT (ROG AVERAGE, POUNDS/YEAR/VEHICLE)

MODEL YEAR (MY)	VEHICLE MODEL YEAR									
	1990*	1991	1992	1993	1994	1995	1996	1997	1998	1999
NON-REV	30.40	29.50	28.60	27.80	27.00	27.00	26.80	26.80	26.80	26.80
LEV	N/A	N/A	N/A	N/A	N/A	13.60	13.60	13.60	13.60	13.60
ULEV	N/A	N/A	N/A	N/A	N/A	8.23	8.23	8.23	8.23	8.23
ZEV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

*FOR VEHICLES BUILT PRIOR TO THE 1990 MODEL YEAR, USE THE FIGURES FOR 1990

**RULE 1003 REDUCED-EMISSION FLEET VEHICLES/ALTERNATIVE FUELS
TABLE 3**

TABLE 3-A LIFETIME AVERAGE EMISSIONS FOR M85 POWERED LIGHT-DUTY AUTOMOBILES (ROG AVERAGE, POUNDS/YEAR/VEHICLE)

	VEHICLE MODEL YEAR									
	1990*	1991	1992	1993	1994	1995	1996	1997	1998	1999
NON-REV	21.10	21.00	18.90	17.60	12.30	12.00	11.30	10.60	7.90	7.89
TLEV	N/A	N/A	N/A	10.60	10.40	10.11	8.59	7.89	5.17	5.16
LEV	N/A	N/A	N/A	N/A	8.63	8.35	6.82	6.13	3.40	3.30
ULEV	N/A	N/A	N/A	N/A	7.91	7.63	6.10	5.41	2.68	2.68
ZEV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TABLE 3-B LIFETIME AVERAGE EMISSIONS FOR M85 POWERED LIGHT-DUTY TRUCKS (ROG AVERAGE, POUNDS/YEAR/VEHICLE)

	VEHICLE MODEL YEAR									
	1990*	1991	1992	1993	1994	1995	1996	1997	1998	1999
NON-REV	23.30	22.20	20.60	19.00	16.40	16.10	16.60	16.00	13.80	13.80
TLEV	N/A	N/A	N/A	11.50	11.50	11.30	10.40	9.90	7.62	7.63
LEV	N/A	N/A	N/A	N/A	9.36	9.14	8.22	7.68	5.46	5.44
ULEV	N/A	N/A	N/A	N/A	7.58	7.37	6.47	5.92	3.69	3.65
ZEV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TABLE 3-C LIFETIME AVERAGE EMISSIONS FOR M85 POWERED MEDIUM-DUTY VEHICLES, 6,000 TO 8,500 LBS. GROSS VEHICLE WEIGHT (ROG AVERAGE, POUNDS/YEAR/VEHICLE)

	VEHICLE MODEL YEAR									
	1990*	1991	1992	1993	1994	1995	1996	1997	1998	1999
NON-REV	34.40	35.00	31.10	27.70	26.30	24.70	25.10	24.70	22.90	23.00
LEV	N/A	N/A	N/A	N/A	15.80	15.10	14.30	13.90	12.20	12.30
ULEV	N/A	N/A	N/A	N/A	11.60	11.10	10.20	9.69	8.11	8.10
ZEV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TABLE 3-D LIFETIME AVERAGE EMISSIONS FOR M85 POWERED MEDIUM-DUTY VEHICLES, 8,500 TO 14,000 LBS. GROSS VEHICLE WEIGHT (ROG AVERAGE, POUNDS/YEAR/VEHICLE) - (GASOLINE OTTO-CYCLE ENGINE APPLICATIONS)

	VEHICLE MODEL YEAR									
	1990*	1991	1992	1993	1994	1995	1996	1997	1998	1999
NON-REV	20.80	20.80	19.60	19.40	19.30	16.10	15.10	14.90	13.90	13.90
LEV	N/A	N/A	N/A	N/A	N/A	13.80	13.00	12.80	11.80	11.70
ULEV	N/A	N/A	N/A	N/A	N/A	9.59	8.82	8.47	7.49	7.55
ZEV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TABLE 3-E LIFETIME AVERAGE EMISSIONS FOR M85 POWERED MEDIUM-DUTY VEHICLES, 8,500 TO 14,000 LBS. GROSS VEHICLE WEIGHT (ROG AVERAGE, POUNDS/YEAR/VEHICLE) - (DIESEL-CYCLE ENGINE APPLICATIONS)

	VEHICLE MODEL YEAR									
	1990*	1991	1992	1993	1994	1995	1996	1997	1998	1999
NON-REV	30.40	29.50	28.60	27.80	27.00	27.00	26.80	26.80	26.80	26.80
LEV	N/A	N/A	N/A	N/A	N/A	13.60	13.60	13.60	13.60	13.60
ULEV	N/A	N/A	N/A	N/A	N/A	8.23	8.23	8.23	8.23	8.23
ZEV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

* FOR VEHICLES BUILT PRIOR TO THE 1990 MODEL YEAR, USE THE FIGURES FOR 1990

TABLE 3-F LIFETIME AVERAGE EMISSIONS FOR NG/LPG POWERED LIGHT-DUTY AUTOMOBILES (ROG AVERAGE, POUNDS/YEAR/VEHICLE)

	VEHICLE MODEL YEAR									
	1990*	1991	1992	1993	1994	1995	1996	1997	1998	1999
NON-REV	12.70	12.60	12.50	10.70	5.37	5.35	6.21	6.22	6.21	6.20
TLEV	N/A	N/A	N/A	3.66	3.49	3.48	3.48	3.48	3.48	3.46
LEV	N/A	N/A	N/A	N/A	1.72	1.71	1.71	1.71	1.71	1.71
ULEV	N/A	N/A	N/A	N/A	1.00	0.99	0.99	0.99	0.99	0.99
ZEV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TABLE 3-G LIFETIME AVERAGE EMISSIONS FOR NG/LPG POWERED LIGHT-DUTY TRUCKS (ROG AVERAGE, POUNDS/YEAR/VEHICLE)

	VEHICLE MODEL YEAR									
	1990*	1991	1992	1993	1994	1995	1996	1997	1998	1999
NON-REV	16.90	15.90	15.40	13.50	10.80	10.80	12.10	12.10	12.10	12.10
TLEV	N/A	N/A	N/A	5.94	5.94	5.94	5.94	5.94	5.94	5.94
LEV	N/A	N/A	N/A	N/A	3.76	3.76	3.76	3.76	3.76	3.76
ULEV	N/A	N/A	N/A	N/A	2.01	1.99	1.99	1.99	1.98	1.97
ZEV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TABLE 3-H LIFETIME AVERAGE EMISSIONS FOR NG/LPG POWERED MEDIUM-DUTY VEHICLES, 6,000 TO 8,500 LBS. GROSS VEHICLE WEIGHT (ROG AVERAGE, POUNDS/YEAR/VEHICLE)

	VEHICLE MODEL YEAR									
	1990*	1991	1992	1993	1994	1995	1996	1997	1998	1999
NON-REV	28.00	28.60	25.90	22.60	21.20	21.20	21.20	21.20	21.20	21.20
LEV	N/A	N/A	N/A	N/A	10.60	10.60	10.60	10.60	10.60	10.60
ULEV	N/A	N/A	N/A	N/A	6.48	6.48	6.48	6.48	6.48	6.48
ZEV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TABLE 3-I LIFETIME AVERAGE EMISSIONS FOR NG/LPG POWERED MEDIUM-DUTY VEHICLES, 8,500 TO 14,000 LBS. GROSS VEHICLE WEIGHT (ROG AVERAGE, POUNDS/YEAR/VEHICLE) - (OTTO-CYCLE ENGINE APPLICATIONS)

	VEHICLE MODEL YEAR									
	1990*	1991	1992	1993	1994	1995	1996	1997	1998	1999
NON-REV	12.10	12.10	12.10	12.00	12.00	9.06	9.06	9.06	9.06	9.06
LEV	N/A	N/A	N/A	N/A	N/A	6.89	6.89	6.89	6.89	6.89
ULEV	N/A	N/A	N/A	N/A	N/A	2.67	2.67	2.67	2.67	2.67
ZEV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TABLE 3-J LIFETIME AVERAGE EMISSIONS FOR NG/LPG POWERED MEDIUM-DUTY VEHICLES, 8,500 TO 14,000 LBS. GROSS VEHICLE WEIGHT (ROG AVERAGE, POUNDS/YEAR/VEHICLE) - (DIESEL-CYCLE ENGINE APPLICATIONS)

	VEHICLE MODEL YEAR									
	1990*	1991	1992	1993	1994	1995	1996	1997	1998	1999
NON-REV	30.40	29.50	28.60	27.80	27.00	27.00	26.80	26.80	26.80	26.80
LEV	N/A	N/A	N/A	N/A	N/A	13.60	13.60	13.60	13.60	13.60
ULEV	N/A	N/A	N/A	N/A	N/A	8.23	8.23	8.23	8.23	8.23
ZEV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

* FOR VEHICLES BUILT PRIOR TO THE 1990 MODEL YEAR, USE THE FIGURES FOR 1990

RULE 1003 REDUCED-EMISSION FLEET VEHICLES/ALTERNATIVE FUELS
TABLE 4

NOTE: 1. ZERO EMISSION VEHICLES DO NOT INCUR ANY OBLIGATION, AND THEIR LIFETIME AVERAGE EMISSIONS IS ZERO (0.00).

TABLE 4-A-1: NOx CERTIFICATION STANDARDS (GRAMS/ BRAKE HORSEPOWER-HOUR)

ENGINE MODEL YEAR	NOx CERTIFICATION STANDARDS (g/bhp-hr)		
	DIESEL-CYCLE	OTTO-CYCLE	URBAN BUSES
1987	5.1	10.6	SAME AS COMPARABLY POWERED HEAVY-DUTY TRUCK
1988-1990	6.0	6.0	SAME AS COMPARABLY POWERED HEAVY-DUTY TRUCK
1991+	5.0	5.0	SAME AS COMPARABLY POWERED HEAVY-DUTY TRUCK
1996	5.0	5.0	4.0

ALSO, ARB OPTIONAL LOW-EMISSION STANDARDS, AS APPLICABLE

TABLE 4-A-2: FEDERAL NOx CERTIFICATION STANDARDS

FEDERAL EMISSIONS CERTIFICATION MODEL YEAR 1998+, HEAVY-DUTY VEHICLES	USE THIS VALUE FOR CALCULATING COMPLIANCE - NOx (g/bhp-hour)
LEV (California Fuel)	3.5
ULEV	2.5
ZEV	0.0

TABLE 4-B HD TRUCK AND SCHOOL BUS ROLL-IN AND OBLIGATION SCHEDULE (Roll-in of engines @ 1/2 the current standard. Numbers Represent Pounds of NOx per new or replacement vehicle averaged for compliance)

% ROLL-IN	OBLIGATION INCURRED FOR EACH MODEL YEAR							
	1996	1997	1998	1999	2000	2001	2002	2003
WEIGHT CLASSIFICATION	0%	2%	2%	2%	5%	10%	15%	25%
DC ¹ MHD ²	N/A	577	577	577	568	553	539	510
DC HHD ³	N/A	1713	1713	1713	1687	1644	1601	1514
OC ⁴ MHD	N/A	165	165	165	163	159	154	146
MHD SCHOOL BUSES	N/A	459	459	459	452	440	429	406
HHD SCHOOL BUSES	N/A	539	539	539	531	517	503	476

- ¹DC = DIESEL CYCLE
- ²MHD = MEDIUM HEAVY DUTY
- ³HHD = HEAVY HEAVY DUTY
- ⁴OC = OTTO CYCLE

TABLE 4-C:

URBAN BUS ROLL-IN AND OBLIGATION SCHEDULE (Roll-in of engines @ 1/2 the current standard.
Numbers Represent Pounds of NOx per new or replacement vehicle averaged for compliance)

	VEHICLE MODEL YEAR			
	1993	1994	1995	1996+
% ROLL-IN	0%	100%	100%	100%
DIESEL OR METHANOL POWERED URBAN BUS	N/A	987	987	789
NATURAL GAS POWERED URBAN BUS	N/A	941	941	753

TABLE 4-D:

CONVERSION FACTORS: These factors convert NOx standards in g/bhp-hr to average annual emissions (lbs/year). Conversion factors use mean load factors and average annual mileage from the California Air Resources Board.

VEHICLE GWV (LBS)	DIESEL-CYCLE	OTTO-CYCLE	URBAN BUSES	SCHOOL BUSES
14,001 TO 33,000	117	33	395	93
33,000 +	346	-	395	109
CNG	117(MHD) or 346(HHD)	33	376	93(MHD) or 109(HHD)
METHANOL	117(MHD) or 346(HHD)	33	395	93(MHD) or 109(HHD)

RULE 1003 REDUCED-EMISSION FLEET VEHICLES/ALTERNATIVE FUELS
TABLE 5

TABLE 5-A

FUEL FACTORS USED TO DETERMINE CREDIT FOR THE USE OF ALTERNATIVE FUELS:
EMISSIONS CREDIT (POUNDS OF ROG PER 1000 GALLONS, OR 1000 THERMS OF ALTERNATIVE FUEL, OR POUNDS OF ROG PER KWH)

		FUEL FACTOR			
LPG (lb/1000 gal)		M100 (lb/1000 gal)	M85 (lb/1000 gal)	CNG (lb/1000 therms)	ELECTRIC VEHICLE (lb/1000 Kwh)
Non-vented	2.158	0.913	Station with blend pump:	2.571	0.387
Vented	0.000		Station without blend pump:		

RULE 1003 - REDUCED-EMISSION FLEET VEHICLES/ALTERNATIVE FUELS
TABLE 6

NOTES:

THESE NOTES PERTAIN TO TABLE 6 (6A THROUGH 6F, INCLUSIVE):

1. TABLE 6 MAY BE USED TO DETERMINE AN OBLIGATION, IN LIEU OF THE OBLIGATION SPECIFIED IN TABLE 1, AND IN LIEU OF COMPLETING THE WORKSHEETS REFERRED TO IN SECTION 301.2 (Worksheets 1-A-1 and 1-A-2).
2. WHEN USING TABLE 6 TO DETERMINE AN OBLIGATION, DUAL-CERTIFIED VEHICLES CAPABLE OF OPERATING ON TWO FUELS WILL BE TREATED AS CERTIFIED TO THE CATEGORY APPLICABLE TO OPERATION ON GASOLINE, OR DIESEL FUEL, REGARDLESS OF THE EXTENT TO WHICH ANY ALTERNATIVE FUEL IS USED IN THE VEHICLE.
3. TABLE 6 ONLY APPLIES WHEN ALL OF THE VEHICLES ADDED TO A FLEET ARE NEW, THAT IS MY=CY OR MY=CY+1. TABLE 6 DOES NOT APPLY TO NEWLY ADDED USED VEHICLES, OR REBUILT, OR REPOWERED VEHICLES. FEET OPERATORS ADDING USED VEHICLES OR REBUILDING ENGINES, OR REPOWERING VEHICLES, MUST USE TABLES 1-4, AS APPLICABLE, AND THE WORKSHEETS PROVIDED TO CALCULATE COMPLIANCE ON A POUNDS OF EMISSIONS PER YEAR BASIS.
4. MY = MODEL YEAR, CY = CALENDAR YEAR
5. TO DETERMINE THE MINIMUM NUMBER OF NEW VEHICLES NECESSARY TO MEET AN OBLIGATION, MULTIPLY THE NUMBER OF VEHICLES BY THE PERCENTAGE IN EACH CERTIFICATION LEVEL, FOR EACH FLEET CLASS AND MODEL YEAR
6. IF THE COMBINATION OF THE NUMBER OF VEHICLES ADDED AND THE PERCENTAGE REQUIREMENTS RESULTS IN A FRACTION OF A VEHICLE, THE NUMBER SHALL BE ROUNDED TO THE NEXT HIGHEST NUMBER. IN OTHER WORDS, THE PERCENTAGES GIVEN BELOW ARE MINIMUM REQUIREMENTS.
7. PERCENTAGE REQUIREMENTS MUST BE MET SEPARATELY FOR:
 - a) Light-duty automobiles
 - b) Light-duty trucks (under 6,000 lbs GVW)
 - c) Medium-duty trucks (6,000 - 8,500 lbs GVW)
 - d) Gasoline medium-duty trucks (8,500 -14,000 lbs GVW)
 - e) Diesel medium-duty trucks (8,500 - 14,000 lbs GVW)

TABLE 6A: THIS TABLE CONTAINS THE OBLIGATION FOR LIGHT-DUTY AND MEDIUM-DUTY FLEETS BASED ON THE PERCENTAGE OF VEHICLES CERTIFIED TO A SPECIFIC EMISSION LEVEL

CALENDAR YEAR CORRESPONDING TO REPORTING PERIOD								
CLASS 2 FLEET		CLASS 1 FLEET		CERTIFICATION LEVEL OF LIGHT-DUTY VEHICLE				
MY=CY+1	MY<CY+1	MY=CY+1	MY<CY+1	Non-REV	TLEV	LEV	ULEV	ZEV
1992	1993	1993	1994	85%	15%	0%	0%	0%
1993	1994	1994	1995	80%	20%	0%	0%	0%
1994	1995	1995	1996	73%	0%	25%	2%	0%
1995	1996	1996	1997	48%	0%	48%	2%	2%
1996	1997	1997	1998	23%	0%	73%	2%	2%
1997	1998	1998	1999	0%	0%	96%	2%	2%
1998	1999	1999	2000	0%	0%	90%	5%	5%
1999	2000	2000	2001	0%	0%	85%	10%	5%
2000	2001	2001	2002	0%	0%	75%	15%	10%
CLASS 2				CLASS 1		CERTIFICATION LEVEL OF MEDIUM-DUTY VEHICLE		
MY=CY+1	MY<CY+1	MY=CY+1	MY<CY+1	Non-REV	LEV	ULEV	ZEV	
1995	1996	1996	1997	73%	25%	2%	?	
1996	1997	1997	1998	48%	50%	2%	?	
1997	1998	1998	1999	23%	75%	2%	?	
1998	1999	1999	2000	0%	95%	5%	?	
1999	2000	2000	2001	0%	90%	10%	?	
2000	2001	2001	2002	0%	85%	15%	?	

TABLE 9B: THIS TABLE CONTAINS THE OBLIGATION FOR LIGHT-DUTY AUTOMOBILES BASED ON THE PERCENTAGE OF VEHICLES CERTIFIED TO A SPECIFIC EMISSION LEVEL - SINGLE CATEGORY REV

CALENDAR YEAR CORRESPONDING TO REPORTING PERIOD		MODEL YEAR	SINGLE CATEGORY REV COMPLIANCE STRATEGY					
CLASS 2 FLEET	CLASS 1 FLEET		Non-REV	If TLEV	If LEV	If ULEV	If ZEV	
MY=CY+1								
1995		1996	Balance	93%	56%	48%	20%	
1996		1997	Balance	XXX	80%	69%	30%	
1997		1998	Balance	XXX	XXX	88%	54%	
1998		1999	Balance	XXX	XXX	91%	56%	
	MY=CY		Non-REV					
	1995	1995	Balance	53%	27%	23%	7%	
	1996	1996	Balance	93%	56%	48%	20%	
	1997	1997	Balance	XXX	80%	69%	30%	
	1998	1998	Balance	XXX	XXX	88%	54%	
	1999	1999	Balance	XXX	XXX	91%	56%	
	MY=CY+1		Non-REV					
	1995	1996	Balance	44%	27%	23%	9%	
	1996	1997	Balance	92%	56%	48%	21%	
	1997	1998	Balance	XXX	79%	68%	42%	
	1998	1999	Balance	XXX	XXX	88%	54%	
	MY=CY		Non-REV					
	1995	1995	Balance	21%	11%	9%	3%	
	1996	1996	Balance	44%	27%	23%	9%	
	1997	1997	Balance	92%	56%	48%	21%	
	1998	1998	Balance	XXX	79%	68%	42%	
	1999	1999	Balance	XXX	XXX	88%	54%	

TABLE 6C: THIS TABLE CONTAINS THE OBLIGATION FOR LIGHT-DUTY TRUCKS BASED ON THE PERCENTAGE OF VEHICLES CERTIFIED TO A SPECIFIC EMISSION LEVEL - SINGLE CATEGORY REV

CALENDAR YEAR CORRESPONDING TO REPORTING PERIOD		MODEL YEAR	SINGLE CATEGORY REV COMPLIANCE STRATEGY				
CLASS 2 FLEET	CLASS 1 FLEET		Non-REV	IF TLEV	IF LEV	IF ULEV	IF ZEV
MY=CY+1							
1995		1996	Balance	74%	55%	46%	26%
1996		1997	Balance	XXX	79%	65%	38%
1997		1998	Balance	XXX	XXX	84%	59%
1998		1999	Balance	XXX	XXX	86%	61%
	MY=CY		Non-REV				
	1995	1995	Balance	41%	28%	23%	11%
	1996	1996	Balance	74%	55%	46%	26%
	1997	1997	Balance	XXX	79%	65%	38%
	1998	1998	Balance	XXX	XXX	84%	60%
	1999	1999	Balance	XXX	XXX	86%	61%
	MY=CY+1		Non-REV				
	1995	1996	Balance	45%	28%	23%	11%
	1996	1997	Balance	74%	55%	45%	27%
	1997	1998	Balance	XXX	79%	66%	46%
	1998	1999	Balance	XXX	XXX	84%	60%
	MY=CY		Non-REV				
	1995	1995	Balance	20%	14%	11%	6%
	1996	1996	Balance	45%	28%	23%	11%
	1997	1997	Balance	74%	55%	45%	27%
	1998	1998	Balance	XXX	79%	65%	46%
	1999	1999	Balance	XXX	XXX	84%	60%

TABLE 6F: THIS TABLE CONTAINS THE OBLIGATION FOR MEDIUM-DUTY TRUCKS (8,500 TO 14,500 POUNDS GVW) BASED ON THE PERCENTAGE OF VEHICLES CERTIFIED TO A SPECIFIC EMISSION LEVEL - DIESEL - SINGLE CATEGORY REV

CALENDAR YEAR CORRESPONDING TO REPORTING PERIOD		MODEL YEAR	SINGLE CATEGORY REV COMPLIANCE STRATEGY			
CLASS 2 FLEET	CLASS 1 FLEET		Non-REV	If LEV	If ULEV	If ZEV
MY=CY+1						
1995		1996	Balance	27%	19%	13%
1996		1997	Balance	52%	37%	26%
1997		1998	Balance	78%	55%	38%
1998		1999	Balance	XXX	72%	50%
	MY=CY		Non-REV			
	1996	1996	Balance	27%	19%	13%
	1997	1997	Balance	52%	37%	26%
	1998	1998	Balance	78%	55%	38%
	1999	1999	Balance	XXX	72%	50%
	MY=CY+1		Non-REV			
	1996	1997	Balance	28%	20%	14%
	1997	1998	Balance	53%	38%	26%
	1998	1999	Balance	78%	55%	38%
	MY=CY		Non-REV			
	1997	1997	Balance	28%	20%	14%
	1998	1998	Balance	53%	38%	26%
	1999	1999	Balance	78%	55%	38%

WORKSHEET 1A-1, PAGE 1 OF 2

RULE 1003 - REDUCED-EMISSION FLEET VEHICLE/ALTERNATIVE FUEL WORKSHEET TO DETERMINE COMPLIANCE

WORKSHEET FOR CALCULATION OF COMPLIANCE WITH RULE 1003: FOR REPORTING PERIOD MONTH / DAY / YEAR TO MONTH / DAY / YEAR

FOR USE WHERE THE MODEL YEAR OF THE VEHICLE IS THE SAME AS THE CURRENT CALENDAR YEAR, OR EARLIER (MY □ □ CY) VEHICLE WEIGHT CLASSIFICATION - COMPLETE A SEPARATE FORM FOR EACH WEIGHT CLASS OF VEHICLES ADDED OR REPLACED, REBUILT, OR REPOWERED IN THE FLEET - (CHECK ONLY ONE BOX):

- LIGHT-DUTY AUTOMOBILE
- LIGHT-DUTY GASOLINE POWERED TRUCK
- MEDIUM-DUTY TRUCK (6,000 TO 8,500 POUNDS GVW)
- MEDIUM-DUTY TRUCK (8,500 TO 14,000 POUNDS GVW) - GASOLINE
- MEDIUM-DUTY TRUCK (8,500 TO 14,000 POUNDS GVW) - DIESEL

2. FLEET CLASS - (CHECK ONLY ONE BOX):

- CLASS 1 - PRIVATELY OWNED
- CLASS 2 - GOVERNMENT/PUBLICLY OWNED or PRIVATELY OWNED OPT-IN

3. CALCULATE TOTAL NUMBER OF OBLIGATION VEHICLES FOR THIS REPORTING PERIOD:

- Line A: Total number of engines rebuilt.
- Line B: Total number of engines repowered.
- Line C: Total number of new vehicles added.
- Line D: Total number of obligation vehicles (= Sum of Lines A through C).

4. COMPLETE LINE 11 OF THE WORKSHEET ON PAGE TWO BEFORE PROCEEDING ANY FURTHER!

5. IN WHAT CALENDAR YEAR DID YOU INCUR THIS OBLIGATION? (SEE SECTION 301.8)

6. Line E: WRITE THE OBLIGATION (POUNDS/YEAR/VEHICLE) FOR THE CALENDAR YEAR THE OBLIGATION WAS INCURRED (SEE TABLE 1).

7. Line F: Sum of Column 4, from page 2 of this worksheet.

8. Line G: Sum of column 2 of Line 11 (from page 2 of this worksheet).

9. DIVIDE THE NUMBER ON LINE F BY THE NUMBER ON LINE G AND ENTER THE RESULT HERE: Line H

10. DETERMINE COMPLIANCE:

a) If the number on Line H is LESS than the number on Line E, you have complied with Rule 1003 for your light-duty and/or medium-duty vehicles.

SUBTRACT LINE H FROM LINE E AND MULTIPLY BY LINE D TO DETERMINE THE AMOUNT OF MERC/CAP YOU ARE ELIGIBLE TO RECEIVE.

Line E - Line H x Line D = (POUNDS OF ROG AND/OR NOx PER YEAR)

WORKSHEET 1A-1 - PAGE 2 OF 2

WORKSHEET FOR CALCULATION OF COMPLIANCE WITH RULE 1003 - LIGHT-DUTY AND MEDIUM-DUTY VEHICLES

b) If the number on Line H is MORE than the number on Line E, you have not complied with Rule 1003 for your light-duty and/or medium-duty vehicles.

SUBTRACT LINE E FROM LINE H AND MULTIPLY BY LINE D TO DETERMINE THE AMOUNT OF MERC/CAP YOU NEED TO PROVIDE TO THE DISTRICT FOR THIS REPORTING PERIOD. (POUNDS OF ROG AND/OR NOx PER YEAR)

Line H _____ - Line E _____ = _____ (POUNDS OF ROG AND/OR NOx PER YEAR)

11. LIST ALL OBLIGATION VEHICLES/ENGINES BY MODEL YEAR:

VEHICLE EMISSION CATEGORY	COLUMN 1 VEHICLE or ENGINE MODEL YEAR (REPORT ONLY ONE MODEL YEAR AND FUEL ON EACH LINE. USE ADDITIONAL SHEETS IF NECESSARY)	COLUMN 2 TOTAL NUMBER OF VEHICLES IN EACH EMISSION CATEGORY AND MODEL YEAR (TOTAL MUST BE EQUAL TO LINE D)	COLUMN 3 AVERAGE ANNUAL EMISSIONS PER VEHICLE PER YEAR (FROM TABLE 2 OR TABLE 3. IF CLAIMING VEHICLE AS AN ALTERNATIVE FUEL VEHICLE, SEE ALSO WORKSHEET 1B)	COLUMN 4 AVERAGE ANNUAL EMISSIONS PER VEHICLE EMISSIONS CATEGORY (COLUMN 2 TIMES COLUMN 3)
BASE	_____	_____	_____	_____
TLEV	_____	_____	_____	_____
LEV	_____	_____	_____	_____
ULEV	_____	_____	_____	_____
ZEV	_____	_____	_____	_____
TOTAL	_____	_____	_____	_____

WORKSHEET 1A-2, PAGE 1 OF 2

RULE 1003 - REDUCED-EMISSION FLEET VEHICLE/ALTERNATIVE FUEL WORKSHEET TO DETERMINE COMPLIANCE

WORKSHEET FOR CALCULATION OF COMPLIANCE WITH RULE 1003: FOR REPORTING PERIOD MONTH / DAY / YEAR TO MONTH / DAY / YEAR

FOR USE WHERE THE MODEL YEAR OF THE VEHICLE IS THE AFTER THE CURRENT CALENDAR YEAR (MY=CY+1) VEHICLE WEIGHT CLASSIFICATION - COMPLETE A SEPARATE FORM FOR EACH WEIGHT CLASS OF VEHICLES ADDED OR REPLACED, REBUILT, OR REPOWERED IN THE FLEET - (CHECK ONLY ONE BOX):

- LIGHT-DUTY AUTOMOBILE
- LIGHT-DUTY GASOLINE POWERED TRUCK
- MEDIUM-DUTY TRUCK (6,000 TO 8,500 POUNDS GVW)
- MEDIUM-DUTY TRUCK (8,500 TO 14,000 POUNDS GVW) - GASOLINE
- MEDIUM-DUTY TRUCK (8,500 TO 14,000 POUNDS GVW) - DIESEL

2. FLEET CLASS - (CHECK ONLY ONE BOX):

- CLASS 1 - PRIVATELY OWNED
- CLASS 2 - GOVERNMENT/PUBLICLY OWNED or PRIVATELY OWNED OPT-IN

3. CALCULATE TOTAL NUMBER OF OBLIGATION VEHICLES FOR THIS REPORTING PERIOD:

- Line A: Total number of engines rebuilt. _____
- Line B: Total number of engines repowered. _____
- Line C: Total number of new vehicles added. _____
- Line D: Total number of obligation vehicles (= Sum of Lines A through C). _____

4. COMPLETE LINE 11 OF THE WORKSHEET ON PAGE TWO BEFORE PROCEEDING ANY FURTHER!

5. IN WHAT CALENDAR YEAR DID YOU INCUR THIS OBLIGATION? _____ (SEE SECTION 301.8)

6. Line E: WRITE THE OBLIGATION (POUNDS/YEAR/VEHICLE) FOR THE CALENDAR YEAR THE OBLIGATION WAS INCURRED (SEE TABLE 1).

7. Line F: Sum of Column 4, from page 2 of this worksheet, (Line 11).

8. Line G: Sum of column 2, from page 2 of this worksheet, (Line 11).

9. DIVIDE THE NUMBER ON LINE F BY THE NUMBER ON LINE G AND ENTER THE RESULT HERE: _____ Line H

10. DETERMINE COMPLIANCE:

a) If the number on Line H is LESS than the number on Line E, you have complied with Rule 1003 for your light-duty and/or medium-duty vehicles.

SUBTRACT LINE H FROM LINE E AND MULTIPLY BY LINE D TO DETERMINE THE AMOUNT OF MERC/CAP YOU ARE ELIGIBLE TO RECEIVE.

Line E _____ - Line H _____ X LINE D _____ = _____ (POUNDS OF ROG AND/OR NOx PER YEAR)

WORKSHEET 1A-2 - PAGE 2 OF 2

WORKSHEET FOR CALCULATION OF COMPLIANCE WITH RULE 1003 - LIGHT-DUTY AND MEDIUM-DUTY VEHICLES

b) If the number on Line H is MORE than the number on Line E, you have not complied with Rule 1003 for your light-duty and/or medium-duty vehicles.

SUBTRACT LINE E FROM LINE H AND MULTIPLY BY LINE D TO DETERMINE THE AMOUNT OF MERC/CAP YOU NEED TO PROVIDE TO THE DISTRICT FOR THIS REPORTING PERIOD. (POUNDS OF ROG AND/OR NOx PER YEAR)

Line H _____ - Line E _____ TIMES LINE D _____ = _____ (POUNDS OF ROG AND/OR NOx PER YEAR)

11. LIST ALL OBLIGATION VEHICLES/ENGINES BY MODEL YEAR:

VEHICLE EMISSION CATEGORY	COLUMN 1 VEHICLE or ENGINE MODEL YEAR (REPORT ONLY ONE MODEL YEAR AND FUEL ON EACH LINE. USE ADDITIONAL SHEETS IF NECESSARY)	COLUMN 2 TOTAL NUMBER OF VEHICLES IN EACH EMISSION CATEGORY AND MODEL YEAR (TOTAL MUST BE EQUAL TO LINE D)	COLUMN 3 AVERAGE ANNUAL EMISSIONS PER VEHICLE PER YEAR (FROM TABLE 2 OR TABLE 3. IF CLAIMING VEHICLE AS AN ALTERNATIVE FUEL VEHICLE, SEE ALSO WORKSHEET 1B)	COLUMN 4 AVERAGE ANNUAL EMISSIONS PER VEHICLE EMISSIONS CATEGORY (COLUMN 2 TIMES COLUMN 3)
BASE	_____	_____	_____	_____
TLEV	_____	_____	_____	_____
LEV	_____	_____	_____	_____
ULEV	_____	_____	_____	_____
ZEV	_____	_____	_____	_____
TOTAL	_____	_____	_____	_____

RULE 1003 - REDUCED-EMISSION FLEET VEHICLE/ALTERNATIVE FUEL WORKSHEET TO DETERMINE COMPLIANCE

WORKSHEET 2, PAGE 1 OF 2

WORKSHEET FOR CALCULATION OF COMPLIANCE WITH RULE 1003: FOR REPORTING PERIOD MONTH / DAY / YEAR TO MONTH / DAY / YEAR

1. HEAVY-DUTY VEHICLES - COMPLETE A SEPARATE FORM FOR EACH WEIGHT CLASS OF HEAVY-DUTY VEHICLE ADDED, REPLACED, REBUILT, OR REPOWERED IN THE FLEET - (CHECK ONLY ONE BOX):
 - HEAVY-DUTY TRUCK (14,000 TO 29,999 POUNDS GVW)
 - DIESEL CYCLE
 - OTTO CYCLE
 - HEAVY-DUTY TRUCK (33,000 POUNDS GVW OR MORE)
 - DIESEL CYCLE
 - OTTO CYCLE
 - URBAN BUS
 - DIESEL CYCLE
 - OTTO CYCLE
 - SCHOOL BUS
 - DIESEL CYCLE
 - OTTO CYCLE
2. FLEET CLASS - (CHECK ONLY ONE BOX)
 - CLASS 1 - PRIVATELY OWNED
 - CLASS 2 - GOVERNMENT/PUBLICLY OWNED or PRIVATELY OWNED OPT-IN
3. CALCULATE TOTAL NUMBER OF OBLIGATION VEHICLES FOR THIS REPORTING PERIOD:
 - Line A: Total number of engines rebuilt.
 - Line B: Total number of engines repowered.
 - Line C: Total number of new vehicles added.
 - Line D: Total number of obligation vehicles (= Sum of Lines A through C).
4. COMPLETE LINE 11 OF THE WORKSHEET ON PAGE TWO BEFORE PROCEEDING ANY FURTHER!
5. IN WHAT CALENDAR YEAR DID YOU INCUR THIS OBLIGATION? _____ (SEE SECTION 301.8)
6. DETERMINE COMPLIANCE:
 - Line E: SUM OF ALL NUMBERS IN COLUMN 3 (FROM PAGE 2 OF THIS WORKSHEET):
 - Line F: NUMBER OF OBLIGATION VEHICLES (FROM LINE D):
 - Line G: AVERAGE ANNUAL PER VEHICLE NOX EMISSIONS (DIVIDE LINE E BY LINE F):
 - Line H: OBLIGATION FOR THE CALENDAR YEAR (FROM TABLE 4-C)
 - Line I: SUBTRACT LINE H FROM LINE G AND ENTER THE RESULT HERE.
7. IF THE VALUE FOR LINE I IS ZERO OR LESS, YOU HAVE COMPLIED WITH RULE 1003 FOR YOUR HEAVY-DUTY FLEET VEHICLE(S).
 - Line J: IF LINE I IS ZERO OR LESS, MULTIPLY THE NUMBER ON LINE I TIMES THE NUMBER ON LINE D AND ENTER THE RESULT ON LINE J.
8. THE NUMBER ON LINE J REPRESENTS THE AMOUNT OF CREDIT YOU HAVE EARNED, IN POUNDS OF NOX PER YEAR.

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