

“(11) the term ‘scrappage value’ means the amount received by the dealer for a vehicle upon transferring title of such vehicle to the person responsible for ensuring the dismantling and destroying of the vehicle;

“(12) the term ‘Secretary’ means the Secretary of Transportation acting through the National Highway Traffic Safety Administration;

“(13) the term ‘ultimate purchaser’ means, with respect to any new automobile, the first person who in good faith purchases such automobile for purposes other than resale;

“(14) the term ‘vehicle identification number’ means the 17 character number used by the automobile industry to identify individual automobiles; and

“(15) the term ‘voucher’ means an electronic transfer of funds to a dealer based on an eligible transaction under this program.

“(j) APPROPRIATION.—There is hereby appropriated to the Secretary of Transportation \$1,000,000,000, of which up to \$50,000,000 is available for administration, to remain available until expended to carry out this section.”

§ 32902. Average fuel economy standards

(a) PRESCRIPTION OF STANDARDS BY REGULATION.—At least 18 months before the beginning of each model year, the Secretary of Transportation shall prescribe by regulation average fuel economy standards for automobiles manufactured by a manufacturer in that model year. Each standard shall be the maximum feasible average fuel economy level that the Secretary decides the manufacturers can achieve in that model year.

(b) STANDARDS FOR AUTOMOBILES AND CERTAIN OTHER VEHICLES.—

(1) IN GENERAL.—The Secretary of Transportation, after consultation with the Secretary of Energy and the Administrator of the Environmental Protection Agency, shall prescribe separate average fuel economy standards for—

(A) passenger automobiles manufactured by manufacturers in each model year beginning with model year 2011 in accordance with this subsection;

(B) non-passenger automobiles manufactured by manufacturers in each model year beginning with model year 2011 in accordance with this subsection; and

(C) work trucks and commercial medium-duty or heavy-duty on-highway vehicles in accordance with subsection (k).

(2) FUEL ECONOMY STANDARDS FOR AUTOMOBILES.—

(A) AUTOMOBILE FUEL ECONOMY AVERAGE FOR MODEL YEARS 2011 THROUGH 2020.—The Secretary shall prescribe a separate average fuel economy standard for passenger automobiles and a separate average fuel economy standard for non-passenger automobiles for each model year beginning with model year 2011 to achieve a combined fuel economy average for model year 2020 of at least 35 miles per gallon for the total fleet of passenger and non-passenger automobiles manufactured for sale in the United States for that model year.

(B) AUTOMOBILE FUEL ECONOMY AVERAGE FOR MODEL YEARS 2021 THROUGH 2030.—For model years 2021 through 2030, the average fuel economy required to be attained by each fleet of passenger and non-passenger

automobiles manufactured for sale in the United States shall be the maximum feasible average fuel economy standard for each fleet for that model year.

(C) PROGRESS TOWARD STANDARD REQUIRED.—In prescribing average fuel economy standards under subparagraph (A), the Secretary shall prescribe annual fuel economy standard increases that increase the applicable average fuel economy standard ratably beginning with model year 2011 and ending with model year 2020.

(3) AUTHORITY OF THE SECRETARY.—The Secretary shall—

(A) prescribe by regulation separate average fuel economy standards for passenger and non-passenger automobiles based on 1 or more vehicle attributes related to fuel economy and express each standard in the form of a mathematical function; and

(B) issue regulations under this title prescribing average fuel economy standards for at least 1, but not more than 5, model years.

(4) MINIMUM STANDARD.—In addition to any standard prescribed pursuant to paragraph (3), each manufacturer shall also meet the minimum standard for domestically manufactured passenger automobiles, which shall be the greater of—

(A) 27.5 miles per gallon; or

(B) 92 percent of the average fuel economy projected by the Secretary for the combined domestic and non-domestic passenger automobile fleets manufactured for sale in the United States by all manufacturers in the model year, which projection shall be published in the Federal Register when the standard for that model year is promulgated in accordance with this section.

(c) AMENDING PASSENGER AUTOMOBILE STANDARDS.—The Secretary of Transportation may prescribe regulations amending the standard under subsection (b) of this section for a model year to a level that the Secretary decides is the maximum feasible average fuel economy level for that model year. Section 553 of title 5 applies to a proceeding to amend the standard. However, any interested person may make an oral presentation and a transcript shall be taken of that presentation.

(d) EXEMPTIONS.—(1) Except as provided in paragraph (3) of this subsection, on application of a manufacturer that manufactured (whether in the United States or not) fewer than 10,000 passenger automobiles in the model year 2 years before the model year for which the application is made, the Secretary of Transportation may exempt by regulation the manufacturer from a standard under subsection (b) or (c) of this section. An exemption for a model year applies only if the manufacturer manufactures (whether in the United States or not) fewer than 10,000 passenger automobiles in the model year. The Secretary may exempt a manufacturer only if the Secretary—

(A) finds that the applicable standard under those subsections is more stringent than the maximum feasible average fuel economy level that the manufacturer can achieve; and

(B) prescribes by regulation an alternative average fuel economy standard for the pas-

senger automobiles manufactured by the exempted manufacturer that the Secretary decides is the maximum feasible average fuel economy level for the manufacturers to which the alternative standard applies.

(2) An alternative average fuel economy standard the Secretary of Transportation prescribes under paragraph (1)(B) of this subsection may apply to an individually exempted manufacturer, to all automobiles to which this subsection applies, or to classes of passenger automobiles, as defined under regulations of the Secretary, manufactured by exempted manufacturers.

(3) Notwithstanding paragraph (1) of this subsection, an importer registered under section 30141(c) of this title may not be exempted as a manufacturer under paragraph (1) for a motor vehicle that the importer—

(A) imports; or

(B) brings into compliance with applicable motor vehicle safety standards prescribed under chapter 301 of this title for an individual under section 30142 of this title.

(4) The Secretary of Transportation may prescribe the contents of an application for an exemption.

(e) EMERGENCY VEHICLES.—(1) In this subsection, “emergency vehicle” means an automobile manufactured primarily for use—

(A) as an ambulance or combination ambulance-hearse;

(B) by the United States Government or a State or local government for law enforcement; or

(C) for other emergency uses prescribed by regulation by the Secretary of Transportation.

(2) A manufacturer may elect to have the fuel economy of an emergency vehicle excluded in applying a fuel economy standard under subsection (a), (b), (c), or (d) of this section. The election is made by providing written notice to the Secretary of Transportation and to the Administrator of the Environmental Protection Agency.

(f) CONSIDERATIONS ON DECISIONS ON MAXIMUM FEASIBLE AVERAGE FUEL ECONOMY.—When deciding maximum feasible average fuel economy under this section, the Secretary of Transportation shall consider technological feasibility, economic practicability, the effect of other motor vehicle standards of the Government on fuel economy, and the need of the United States to conserve energy.

(g) REQUIREMENTS FOR OTHER AMENDMENTS.—(1) The Secretary of Transportation may prescribe regulations amending an average fuel economy standard prescribed under subsection (a) or (d) of this section if the amended standard meets the requirements of subsection (a) or (d), as appropriate.

(2) When the Secretary of Transportation prescribes an amendment under this section that makes an average fuel economy standard more stringent, the Secretary shall prescribe the amendment (and submit the amendment to Congress when required under subsection (c)(2) of this section) at least 18 months before the beginning of the model year to which the amendment applies.

(h) LIMITATIONS.—In carrying out subsections (c), (f), and (g) of this section, the Secretary of Transportation—

(1) may not consider the fuel economy of dedicated automobiles;

(2) shall consider dual fueled automobiles to be operated only on gasoline or diesel fuel; and

(3) may not consider, when prescribing a fuel economy standard, the trading, transferring, or availability of credits under section 32903.

(i) CONSULTATION.—The Secretary of Transportation shall consult with the Secretary of Energy in carrying out this section and section 32903 of this title.

(j) SECRETARY OF ENERGY COMMENTS.—(1) Before issuing a notice proposing to prescribe or amend an average fuel economy standard under subsection (a), (c), or (g) of this section, the Secretary of Transportation shall give the Secretary of Energy at least 10 days from the receipt of the notice during which the Secretary of Energy may, if the Secretary of Energy concludes that the proposed standard would adversely affect the conservation goals of the Secretary of Energy, provide written comments to the Secretary of Transportation about the impact of the standard on those goals. To the extent the Secretary of Transportation does not revise a proposed standard to take into account comments of the Secretary of Energy on any adverse impact of the standard, the Secretary of Transportation shall include those comments in the notice.

(2) Before taking final action on a standard or an exemption from a standard under this section, the Secretary of Transportation shall notify the Secretary of Energy and provide the Secretary of Energy a reasonable time to comment.

(k) COMMERCIAL MEDIUM- AND HEAVY-DUTY ON-HIGHWAY VEHICLES AND WORK TRUCKS.—

(1) STUDY.—Not later than 1 year after the National Academy of Sciences publishes the results of its study under section 108 of the Ten-in-Ten Fuel Economy Act, the Secretary of Transportation, in consultation with the Secretary of Energy and the Administrator of the Environmental Protection Agency, shall examine the fuel efficiency of commercial medium- and heavy-duty on-highway vehicles and work trucks and determine—

(A) the appropriate test procedures and methodologies for measuring the fuel efficiency of such vehicles and work trucks;

(B) the appropriate metric for measuring and expressing commercial medium- and heavy-duty on-highway vehicle and work truck fuel efficiency performance, taking into consideration, among other things, the work performed by such on-highway vehicles and work trucks and types of operations in which they are used;

(C) the range of factors, including, without limitation, design, functionality, use, duty cycle, infrastructure, and total overall energy consumption and operating costs that affect commercial medium- and heavy-duty on-highway vehicle and work truck fuel efficiency; and

(D) such other factors and conditions that could have an impact on a program to im-

prove commercial medium- and heavy-duty on-highway vehicle and work truck fuel efficiency.

(2) RULEMAKING.—Not later than 24 months after completion of the study required under paragraph (1), the Secretary, in consultation with the Secretary of Energy and the Administrator of the Environmental Protection Agency, by regulation, shall determine in a rule-making proceeding how to implement a commercial medium- and heavy-duty on-highway vehicle and work truck fuel efficiency improvement program designed to achieve the maximum feasible improvement, and shall adopt and implement appropriate test methods, measurement metrics, fuel economy standards, and compliance and enforcement protocols that are appropriate, cost-effective, and technologically feasible for commercial medium- and heavy-duty on-highway vehicles and work trucks. The Secretary may prescribe separate standards for different classes of vehicles under this subsection.

(3) LEAD-TIME; REGULATORY STABILITY.—The commercial medium- and heavy-duty on-highway vehicle and work truck fuel economy standard adopted pursuant to this subsection shall provide not less than—

(A) 4 full model years of regulatory lead-time; and

(B) 3 full model years of regulatory stability.

(Pub. L. 103–272, §1(e), July 5, 1994, 108 Stat. 1059; Pub. L. 110–140, title I, §§102, 104(b)(1), Dec. 19, 2007, 121 Stat. 1498, 1503.)

In subsection (a), the words “Any standard applicable to a model year under this subsection shall be prescribed” are omitted as surplus. The words “which begins more than 30 months after December 22, 1975” are omitted as executed.

In subsection (b), the text of 15:2002(a)(1) (related to model years before 1985) and (3) is omitted as expired. The words “at least” are omitted as unnecessary because of the source provisions restated in subsection (c) of this section.

In subsection (c)(1), the words “Subject to paragraph (2) of this subsection” are added for clarity. The words “may prescribe regulations amending” are substituted for “may, by rule, amend” for clarity and consistency in the revised title and because “rule” is synonymous with “regulation”. The words “for a model year” are substituted for “for model year 1985, or for any subsequent model year” to eliminate the expired limitation. The reference in 15:2002(h) to 15:2002(d) is omitted because 15:2002(d) is omitted from the revised title as executed. The words “as well as written” are omitted as surplus.

In subsection (c)(2), the words “If an amendment increases the standard . . . or decreases the standard” are substituted for “except that any amendment that has the effect of increasing . . . a standard . . . , or of decreasing . . . a standard” to eliminate unnecessary words. The words “For purposes of considering any modification which is submitted to the Congress under paragraph (4)” are omitted as surplus. The words “are deemed to be” are substituted for “shall be lengthened to” for clarity and consistency.

In subsection (d)(1), before clause (A), the words “Except as provided in paragraph (3) of this subsection” are added because of the restatement. The words “in the model year 2 years before” are substituted for “in the second model year preceding” for clarity. The words “The Secretary may exempt a manufacturer only if the Secretary” are substituted for “Such exemption may only be granted if the Secretary” and “The Secretary may not issue exemptions with respect to a model year unless he” to eliminate unnecessary words. The words “each such standard shall be set at a level which” are omitted as surplus.

In subsection (d)(3), before clause (A), the words “Notwithstanding paragraph (1) of this subsection” are substituted for “Notwithstanding any provision of law authorizing exemptions from energy conservation requirements for manufacturers of fewer than 10,000 motor vehicles” to eliminate unnecessary words. In clause (B), the word “compliance” is substituted for “conformity” for consistency with chapter 301 of the revised title. The words “prescribed under chapter 301 of this title” are substituted for “Federal” for consistency in the revised title.

Subsection (d)(4) is substituted for 15:2002(c)(1) (2d sentence) to eliminate unnecessary words. The text of 15:2002(c)(2) is omitted as expired.

In subsection (e)(1)(B), the words “police or other” are omitted as unnecessary because the authority to prescribe standards includes the authority to amend those standards.

In subsection (g)(1), the words “from time to time” are omitted as unnecessary. The cross-reference to 15:2002(a)(3) is omitted as executed because 15:2002(a)(3) applied to model years 1981–1984.

In subsection (g)(2), the words “that makes” are substituted for “has the effect of making” to eliminate unnecessary words.

In subsection (i), the words “his responsibilities under” are omitted as surplus.

In subsection (j), the reference to 15:2002(d) and the words “or any modification of” are omitted because 15:2002(d) is omitted from the revised title as executed.

In subsection (j)(1), the words “to prescribe or amend” are substituted for “to establish, reduce, or amend” to eliminate unnecessary words. The words “adverse impact” are substituted for “level” for clarity and consistency. The words “those comments” are substituted for “unaccommodated comments” for clarity.

HISTORICAL AND REVISION NOTES

Revised Section	Source (U.S. Code)	Source (Statutes at Large)
32902(a)	15:2002(b).	Oct. 20, 1972, Pub. L. 92–513, 86 Stat. 947, §502(a)(1), (3)–(c), (e) (1st sentence), (f), (h); added Dec. 22, 1975, Pub. L. 94–163, §301, 89 Stat. 902, 903, 905; Oct. 10, 1980, Pub. L. 96–425, §§3(a)(1), 7, 8(c), 94 Stat. 1821, 1828.
32902(b)	15:2002(a)(1), (3).	
32902(c)(1) ..	15:2002(a)(4) (words before 5th comma), (h).	
32902(c)(2) ..	15:2002(a)(4) (words after 5th comma), (5).	
32902(d)	15:1397 (note).	Oct. 31, 1988, Pub. L. 100–562, §2(f), 102 Stat. 2825.
32902(e)	15:2002(c). 15:2002(g).	Oct. 20, 1972, Pub. L. 92–513, 86 Stat. 947, §502(g); added Oct. 10, 1980, Pub. L. 96–425, §7, 94 Stat. 1828.
32902(f)	15:2002(e) (1st sentence).	
32902(g)	15:2002(f).	
32902(h)	15:2002(e) (last sentence).	Oct. 20, 1972, Pub. L. 92–513, 86 Stat. 947, §§502(e) (last sentence), 513(g)(2)(B); added Oct. 14, 1988, Pub. L. 100–494, §6(a), (c), 102 Stat. 2450, 2452; Oct. 24, 1992, Pub. L. 102–486, §403(2), (5)(G)(ii)(II), (III), 106 Stat. 2876, 2878.
32902(i)	15:2013(g)(2)(B). 15:2002(i) (1st sentence).	Oct. 20, 1972, Pub. L. 92–513, 86 Stat. 947, §502(i), (j); added Aug. 4, 1977, Pub. L. 95–91, §305, 91 Stat. 580; Oct. 10, 1980, Pub. L. 96–425, §7, 94 Stat. 1828.
32902(j)	15:2002(i) (2d, last sentences), (j).	

REFERENCES IN TEXT

Section 108 of the Ten-in-Ten Fuel Economy Act, referred to in subsec. (k)(1), is section 108 of Pub. L. 110-140, title I, Dec. 19, 2007, 121 Stat. 1505, which is not classified to the Code.

AMENDMENTS

2007—Subsec. (a). Pub. L. 110-140, §102(a)(1), in heading, substituted “Prescription of Standards by Regulation” for “Non-Passenger Automobiles”, and, in text, struck out “(except passenger automobiles)” after “for automobiles” and “The Secretary may prescribe separate standards for different classes of automobiles.” at end.

Subsec. (b). Pub. L. 110-140, §102(a)(2), added subsec. (b) and struck out former subsec. (b). Prior to amendment, text of subsec. (b) read as follows: “Except as provided in this section, the average fuel economy standard for passenger automobiles manufactured by a manufacturer in a model year after model year 1984 shall be 27.5 miles a gallon.”

Subsec. (c). Pub. L. 110-140, §102(a)(3), substituted “The Secretary” for “(1) Subject to paragraph (2) of this subsection, the Secretary” and struck out par. (2) which read as follows: “If an amendment increases the standard above 27.5 miles a gallon or decreases the standard below 26.0 miles a gallon, the Secretary of Transportation shall submit the amendment to Congress. The procedures of section 551 of the Energy Policy and Conservation Act (42 U.S.C. 6421) apply to an amendment, except that the 15 calendar days referred to in section 551(c) and (d) of the Act (42 U.S.C. 6421(c), (d)) are deemed to be 60 calendar days, and the 5 calendar days referred to in section 551(f)(4)(A) of the Act (42 U.S.C. 6421(f)(4)(A)) are deemed to be 20 calendar days. If either House of Congress disapproves the amendment under those procedures, the amendment does not take effect.”

Subsec. (h)(3). Pub. L. 110-140, §104(b)(1), added par. (3).

Subsec. (k). Pub. L. 110-140, §102(b), added subsec. (k).

EFFECTIVE DATE OF 2007 AMENDMENT

Amendment by Pub. L. 110-140 effective on the date that is 1 day after Dec. 19, 2007, see section 1601 of Pub. L. 110-140, set out as an Effective Date note under section 1824 of Title 2, The Congress.

CONTINUED APPLICABILITY OF EXISTING STANDARDS

Pub. L. 110-140, title I, §106, Dec. 19, 2007, 121 Stat. 1504, provided that: “Nothing in this subtitle [subtitle A (§§101-113) of title I of Pub. L. 110-140, see Short Title of 2007 Amendment note set out under section 30101 of this title], or the amendments made by this subtitle, shall be construed to affect the application of section 32902 of title 49, United States Code, to passenger automobiles or non-passenger automobiles manufactured before model year 2011.”

NATIONAL ACADEMY OF SCIENCES STUDIES

Pub. L. 110-140, title I, §107, Dec. 19, 2007, 121 Stat. 1504, provided that:

“(a) IN GENERAL.—As soon as practicable after the date of enactment of this Act [Dec. 19, 2007], the Secretary of Transportation shall execute an agreement with the National Academy of Sciences to develop a report evaluating vehicle fuel economy standards, including—

“(1) an assessment of automotive technologies and costs to reflect developments since the Academy’s 2002 report evaluating the corporate average fuel economy standards was conducted;

“(2) an analysis of existing and potential technologies that may be used practically to improve automobile and medium-duty and heavy-duty truck fuel economy;

“(3) an analysis of how such technologies may be practically integrated into the automotive and me-

dium-duty and heavy-duty truck manufacturing process; and

“(4) an assessment of how such technologies may be used to meet the new fuel economy standards under chapter 329 of title 49, United States Code, as amended by this subtitle [subtitle A (§§101-113) of title I of Pub. L. 110-140, see Short Title of 2007 Amendment note set out under section 30101 of this title].

“(b) REPORT.—The Academy shall submit the report to the Secretary, the Committee on Commerce, Science, and Transportation of the Senate, and the Committee on Energy and Commerce of the House of Representatives, with its findings and recommendations not later than 5 years after the date on which the Secretary executes the agreement with the Academy.

“(c) QUINQUENNIAL UPDATES.—After submitting the initial report, the Academy shall update the report at 5 year intervals thereafter through 2025.”

THE ENERGY INDEPENDENCE AND SECURITY ACT OF 2007

Memorandum of President of the United States, Jan. 26, 2009, 74 F.R. 4907, provided:

Memorandum for the Secretary of Transportation [and] the Administrator of the National Highway Traffic Safety Administration

In 2007, the Congress passed the Energy Independence and Security Act (EISA). This law mandates that, as part of the Nation’s efforts to achieve energy independence, the Secretary of Transportation prescribe annual fuel economy increases for automobiles, beginning with model year 2011, resulting in a combined fuel economy fleet average of at least 35 miles per gallon by model year 2020. On May 2, 2008, the National Highway Traffic Safety Administration (NHTSA) published a Notice of Proposed Rulemaking entitled *Average Fuel Economy Standards, Passenger Cars and Light Trucks; Model Years 2011-2015*, 73 Fed. Reg. 24352. In the notice and comment period, the NHTSA received numerous comments, some of them contending that certain aspects of the proposed rule, including appendices providing for preemption of State laws, were inconsistent with provisions of EISA and the Supreme Court’s decision in *Massachusetts v. Environmental Protection Agency*, 549 U.S. 497 (2007).

Federal law requires that the final rule regarding fuel economy standards be adopted at least 18 months before the beginning of the model year (49 U.S.C. 32902(g)(2)). In order for the model year 2011 standards to meet this requirement, the NHTSA must publish the final rule in the Federal Register by March 30, 2009. To date, the NHTSA has not published a final rule.

Therefore, I request that:

(a) in order to comply with the EISA requirement that fuel economy increases begin with model year 2011, you take all measures consistent with law, and in coordination with the Environmental Protection Agency, to publish in the Federal Register by March 30, 2009, a final rule prescribing increased fuel economy for model year 2011;

(b) before promulgating a final rule concerning model years after model year 2011, you consider the appropriate legal factors under the EISA, the comments filed in response to the Notice of Proposed Rulemaking, the relevant technological and scientific considerations, and to the extent feasible, the forthcoming report by the National Academy of Sciences mandated under section 107 of EISA; and

(c) in adopting the final rules in paragraphs (a) and (b) above, you consider whether any provisions regarding preemption are consistent with the EISA, the Supreme Court’s decision in *Massachusetts v. EPA* and other relevant provisions of law and the policies underlying them.

This memorandum is not intended to, and does not, create any right or benefit, substantive or procedural, enforceable at law or in equity by any party against the United States, its departments, agencies, or entities, its officers, employees, or agents, or any other person.

The Secretary of Transportation is hereby authorized and directed to publish this memorandum in the Federal Register.

BARACK OBAMA.

IMPROVING ENERGY SECURITY, AMERICAN COMPETITIVENESS AND JOB CREATION, AND ENVIRONMENTAL PROTECTION THROUGH A TRANSFORMATION OF OUR NATION'S FLEET OF CARS AND TRUCKS

Memorandum of President of the United States, May 21, 2010, 75 F.R. 29399, provided:

Memorandum for the Secretary of Transportation[,] the Secretary of Energy[,] the Administrator of the Environmental Protection Agency[, and] the Administrator of the National Highway Traffic Safety Administration

America has the opportunity to lead the world in the development of a new generation of clean cars and trucks through innovative technologies and manufacturing that will spur economic growth and create high-quality domestic jobs, enhance our energy security, and improve our environment. We already have made significant strides toward reducing greenhouse gas pollution and enhancing fuel efficiency from motor vehicles with the joint rulemaking issued by the National Highway Traffic Safety Administration (NHTSA) and the Environmental Protection Agency (EPA) on April 1, 2010, which regulates these attributes of passenger cars and light-duty trucks for model years 2012–2016. In this memorandum, I request that additional coordinated steps be taken to produce a new generation of clean vehicles.

SECTION 1. *Medium- and Heavy-Duty Trucks.*

While the Federal Government and many States have now created a harmonized framework for addressing the fuel economy of and greenhouse gas emissions from cars and light-duty trucks, medium- and heavy-duty trucks and buses continue to be a major source of fossil fuel consumption and greenhouse gas pollution. I therefore request that the Administrators of the EPA and the NHTSA immediately begin work on a joint rulemaking under the Clean Air Act (CAA) and the Energy Independence and Security Act of 2007 (EISA) to establish fuel efficiency and greenhouse gas emissions standards for commercial medium- and heavy-duty vehicles beginning with model year 2014, with the aim of issuing a final rule by July 30, 2011. As part of this rule development process, I request that the Administrators of the EPA and the NHTSA:

(a) Propose and take comment on strategies, including those designed to increase the use of existing technologies, to achieve substantial annual progress in reducing transportation sector emissions and fossil fuel consumption consistent with my Administration's overall energy and climate security goals. These strategies should consider whether particular segments of the diverse heavy-duty vehicle sector present special opportunities to reduce greenhouse gas emissions and increase fuel economy. For example, preliminary estimates indicate that large tractor trailers, representing half of all greenhouse gas emissions from this sector, can reduce greenhouse gas emissions by as much as 20 percent and increase their fuel efficiency by as much as 25 percent with the use of existing technologies;

(b) Include fuel efficiency and greenhouse gas emissions standards that take into account the market structure of the trucking industry and the unique demands of heavy-duty vehicle applications; seek harmonization with applicable State standards; consider the findings and recommendations published in the National Academy of Science report on medium- and heavy-duty truck regulation; strengthen the industry and enhance job creation in the United States; and

(c) Seek input from all stakeholders, while recognizing the continued leadership role of California and other States.

SEC. 2. *Passenger Cars and Light-Duty Trucks.*

Building on the earlier joint rulemaking, and in order to provide greater certainty and incentives for long-term innovation by automobile and light-duty vehicle manufacturers, I request that the Administrators of the EPA and the NHTSA develop, through notice and comment rulemaking, a coordinated national program under the CAA and the EISA to improve fuel efficiency

and to reduce greenhouse gas emissions of passenger cars and light-duty trucks of model years 2017–2025. The national program should seek to produce joint Federal standards that are harmonized with applicable State standards, with the goal of ensuring that automobile manufacturers will be able to build a single, light-duty national fleet. The program should also seek to achieve substantial annual progress in reducing transportation sector greenhouse gas emissions and fossil fuel consumption, consistent with my Administration's overall energy and climate security goals, through the increased domestic production and use of existing, advanced, and emerging technologies, and should strengthen the industry and enhance job creation in the United States. As part of implementing the national program, I request that the Administrators of the EPA and the NHTSA:

(a) Work with the State of California to develop by September 1, 2010, a technical assessment to inform the rulemaking process, reflecting input from an array of stakeholders on relevant factors, including viable technologies, costs, benefits, lead time to develop and deploy new and emerging technologies, incentives and other flexibilities to encourage development and deployment of new and emerging technologies, impacts on jobs and the automotive manufacturing base in the United States, and infrastructure for advanced vehicle technologies; and

(b) Take all measures consistent with law to issue by September 30, 2010, a Notice of Intent to Issue a Proposed Rule that announces plans for setting stringent fuel economy and greenhouse gas emissions standards for light-duty vehicles of model year 2017 and beyond, including plans for initiating joint rulemaking and gathering any additional information needed to support regulatory action. The Notice should describe the key elements of the program that the EPA and the NHTSA intend jointly to propose, under their respective statutory authorities, including potential standards that could be practicably implemented nationally for the 2017–2025 model years and a schedule for setting those standards as expeditiously as possible, consistent with providing sufficient lead time to vehicle manufacturers.

SEC. 3. *Cleaner Vehicles and Fuels and Necessary Infrastructure.*

The success of our efforts to achieve enhanced energy security and to protect the environment also depends upon the development of infrastructure and promotion of fuels, including biofuels, which will enable the development and widespread deployment of advanced technologies. Therefore, I further request that:

(a) The Administrator of the EPA review for adequacy the current nongreenhouse gas emissions regulations for new motor vehicles, new motor vehicle engines, and motor vehicle fuels, including tailpipe emissions standards for nitrogen oxides and air toxics, and sulfur standards for gasoline. If the Administrator of the EPA finds that new emissions regulations are required, then I request that the Administrator of the EPA promulgate such regulations as part of a comprehensive approach toward regulating motor vehicles; and [sic]

(b) The Secretary of Energy promote the deployment of advanced technology vehicles by providing technical assistance to cities preparing for deployment of electric vehicles, including plug-in hybrids and all-electric vehicles; and

(c) The Department of Energy work with stakeholders on the development of voluntary standards to facilitate the robust deployment of advanced vehicle technologies and coordinate its efforts with the Department of Transportation, the NHTSA, and the EPA.

SEC. 4. *General Provisions.*

(a) This memorandum shall be implemented consistent with applicable law, including international trade obligations, and subject to the availability of appropriations.

(b) This memorandum is not intended to, and does not, create any right or benefit, substantive or proce-

dural, enforceable at law or in equity by any party against the United States, its departments, agencies, or entities, its officers, employees, or agents, or any other person.

(c) Nothing in this memorandum shall be construed to impair or otherwise affect:

(1) authority granted by law to a department, agency, or the head thereof; or

(2) functions of the Director of the Office of Management and Budget relating to budgetary, administrative, or legislative proposals.

SEC. 5. Publication.

The Secretary of Transportation is hereby authorized and directed to publish this memorandum in the Federal Register.

BARACK OBAMA.

§ 32903. Credits for exceeding average fuel economy standards

(a) **EARNING AND PERIOD FOR APPLYING CREDITS.**—When the average fuel economy of passenger automobiles manufactured by a manufacturer in a particular model year exceeds an applicable average fuel economy standard under subsections (a) through (d) of section 32902 (determined by the Secretary of Transportation without regard to credits under this section), the manufacturer earns credits. The credits may be applied to—

(1) any of the 3 consecutive model years immediately before the model year for which the credits are earned; and

(2) to the extent not used under paragraph (1)¹ any of the 5 consecutive model years immediately after the model year for which the credits are earned.

(b) **PERIOD OF AVAILABILITY AND PLAN FOR FUTURE CREDITS.**—(1) Except as provided in paragraph (2) of this subsection, credits under this section are available to a manufacturer at the end of the model year in which earned.

(2)(A) Before the end of a model year, if a manufacturer has reason to believe that its average fuel economy for passenger automobiles will be less than the applicable standard for that model year, the manufacturer may submit a plan to the Secretary of Transportation demonstrating that the manufacturer will earn sufficient credits under this section within the next 3 model years to allow the manufacturer to meet that standard for the model year involved. Unless the Secretary finds that the manufacturer is unlikely to earn sufficient credits under the plan, the Secretary shall approve the plan. Those credits are available for the model year involved if—

(i) the Secretary approves the plan; and

(ii) the manufacturer earns those credits as provided by the plan.

(B) If the average fuel economy of a manufacturer is less than the applicable standard under subsections (a) through (d) of section 32902 after applying credits under subsection (a)(1) of this section, the Secretary of Transportation shall notify the manufacturer and give the manufacturer a reasonable time (of at least 60 days) to submit a plan.

(c) **DETERMINING NUMBER OF CREDITS.**—The number of credits a manufacturer earns under this section equals the product of—

(1) the number of tenths of a mile a gallon by which the average fuel economy of the passenger automobiles manufactured by the manufacturer in the model year in which the credits are earned exceeds the applicable average fuel economy standard under subsections (a) through (d) of section 32902; times

(2) the number of passenger automobiles manufactured by the manufacturer during that model year.

(d) **APPLYING CREDITS FOR PASSENGER AUTOMOBILES.**—The Secretary of Transportation shall apply credits to a model year on the basis of the number of tenths of a mile a gallon by which the manufacturer involved was below the applicable average fuel economy standard for that model year and the number of passenger automobiles manufactured that model year by the manufacturer. Credits applied to a model year are no longer available for another model year. Before applying credits, the Secretary shall give the manufacturer written notice and reasonable opportunity to comment.

(e) **APPLYING CREDITS FOR NON-PASSENGER AUTOMOBILES.**—Credits for a manufacturer of automobiles that are not passenger automobiles are earned and applied to a model year in which the average fuel economy of that class of automobiles is below the applicable average fuel economy standard under section 32902(a) of this title, to the same extent and in the same way as provided in this section for passenger automobiles.

(f) **CREDIT TRADING AMONG MANUFACTURERS.**—

(1) **IN GENERAL.**—The Secretary of Transportation may establish, by regulation, a fuel economy credit trading program to allow manufacturers whose automobiles exceed the average fuel economy standards prescribed under section 32902 to earn credits to be sold to manufacturers whose automobiles fail to achieve the prescribed standards such that the total oil savings associated with manufacturers that exceed the prescribed standards are preserved when trading credits to manufacturers that fail to achieve the prescribed standards.

(2) **LIMITATION.**—The trading of credits by a manufacturer to the category of passenger automobiles manufactured domestically is limited to the extent that the fuel economy level of such automobiles shall comply with the requirements of section 32902(b)(4), without regard to any trading of credits from other manufacturers.

(g) **CREDIT TRANSFERRING WITHIN A MANUFACTURER'S FLEET.**—

(1) **IN GENERAL.**—The Secretary of Transportation shall establish by regulation a fuel economy credit transferring program to allow any manufacturer whose automobiles exceed any of the average fuel economy standards prescribed under section 32902 to transfer the credits earned under this section and to apply such credits within that manufacturer's fleet to a compliance category of automobiles that fails to achieve the prescribed standards.

(2) **YEARS FOR WHICH USED.**—Credits transferred under this subsection are available to be used in the same model years that the manufacturer could have applied such credits

¹ So in original. Probably should be followed by a comma.