

see Codification note set out under section 2502 of this title.

§ 2505. Research and development

The Secretary of Energy, acting through appropriate agencies and contractors, shall initiate and provide for the conduct of research and development in areas related to electric and hybrid vehicles, including—

(1) energy storage technology, including batteries and their potential for convenient recharging;

(2) vehicle control systems and overall design for energy conservation, including the use of regenerative braking;

(3) urban design and traffic management to promote maximum transportation-related energy conservation and minimum transportation-related degradation of the environment; and

(4) vehicle design which emphasizes durability, length of practical lifetime, ease of repair, and interchangeability and replaceability of parts.

(Pub. L. 94-413, §6, Sept. 17, 1976, 90 Stat. 1263; Pub. L. 95-91, title III, §301(a), Aug. 4, 1977, 91 Stat. 577.)

Statutory Notes and Related Subsidiaries

TRANSFER OF FUNCTIONS

“Secretary of Energy” substituted in text for “Administrator” pursuant to section 301(a) of Pub. L. 95-91, see Codification note set out under section 2502 of this title.

§ 2506. Demonstrations

(a) Data development; baseline data; acquisition of vehicles

Within 12 months after September 17, 1976, the Secretary of Energy shall develop data characterizing the present state-of-the-art with respect to electric and hybrid vehicles. The data so developed shall serve as baseline data to be utilized in order (1) to compare improvements in electric and hybrid vehicle technologies; (2) to assist in establishing the performance standards under subsection (b)(1); and (3) to otherwise assist in carrying out the purposes of this section. In developing any such data, the Secretary of Energy shall purchase or lease a reasonable number of such vehicles or enter into such other arrangements as the Secretary of Energy deems necessary to carry out the purposes of this subsection.

(b) Performance standards; factors considered; vehicle uses; revision; transmission of standards to Congress

(1) Within 15 months after September 17, 1976, the Secretary of Energy shall promulgate rules establishing performance standards for electric and hybrid vehicles to be purchased or leased pursuant to subsection (c)(1). The standards so developed shall take into account the factors of energy conservation, urban traffic characteristics, patterns of use for “second” vehicles, consumer preferences, maintenance needs, battery recharging characteristics, agricultural requirements, materials demand and their ability to be recycled, vehicle safety and insurability, cost,

and other relevant considerations, as such factors and considerations particularly apply to or affect vehicles with electric or hybrid propulsion systems. Such standards are to be developed taking into account (A) the best current state-of-the-art, and (B) reasonable estimates as to the future state-of-the-art, based on projections of results from the research and development conducted under section 2505 of this title. In developing such standards, the Secretary of Energy shall consult with appropriate experts concerning design needs for electric and hybrid vehicles which are compatible with long-range urban planning, traffic management, and vehicle safety.

(2) Separate performance standards shall be established under subsection (b)(1) with respect to (A) electric or hybrid vehicles for personal use, and (B) commercial electric or hybrid vehicles. Such performance standards shall represent the minimum level of performance which is required with respect to any vehicles purchased or leased pursuant to subsection (c). Initial performance standards under subsection (b)(1) shall be set at such levels as the Secretary of Energy determines are necessary to promote the acquisition and use of such vehicles for transportation purposes which are within the capability (as determined by the Secretary of Energy) of electric and hybrid vehicles.

(3) Such performance standards shall be revised, by rule, periodically as the state-of-the-art improves.

(4) The Secretary of Energy shall transmit to the Speaker of the House of Representatives and the President of the Senate, and to the Committee on Science, Space, and Technology of the House of Representatives and the Committee on Energy and Natural Resources of the Senate, the performance standards developed under paragraph (1) and all revised performance standards established in connection with the demonstrations specified in subsection (c)(2).

(c) Contracts for vehicle purchase or lease; delivery requirements; demonstration criteria and duration; availability of information for leasing and procurements

(1) The Secretary of Energy shall, within 6 months after the date of promulgation of performance standards pursuant to subsection (b)(1), institute the first contracts for the purchase or lease of electric or hybrid vehicles which satisfy the performance standards set forth under subsection (b)(1). The delivery of such vehicles shall be completed according to the expedited best effort of the administering agency and the selected manufacturer. To the extent practicable, vehicles purchased or leased under such contracts shall represent a cross-section of the available technologies and of actual or potential vehicle use.

(2) Thereafter, according to a planned schedule, the Secretary of Energy shall contract for the purchase or lease of additional electric or hybrid vehicles which satisfy amended performance standards and represent continuing improvements in state-of-the-art. In conducting demonstrations, the Secretary of Energy shall consider—

(A) the need and intent of the Congress to stimulate and encourage private sector pro-