

(3) determine appropriate means and facilities for safely and economically storing, transporting, and dispensing methane for use as a vehicular fuel;

(4) conduct demonstration projects with respect to the feasibility of methane-fueled vehicles and methane transmission, storage and dispensing facilities (A) by providing necessary financial or technical assistance for the construction, modification, or operation of motor vehicles to be methane-fueled for practical use or of methane transmission, storage and dispensing facilities, and (B) by entering into agreements or arrangements with other entities, governmental and nongovernmental, for the demonstration of such vehicles and facilities;

(5) gather performance data, including but not limited to emissions data, on methane-fueled vehicles and related transmission and storage facilities;

(6) determine that the participants in each demonstration assisted under this chapter have made satisfactory arrangements to obtain an adequate supply of methane for vehicular use in the project;

(7) ascertain the need for modifications in available methane-fueled vehicles to improve their efficiency and performance and to facilitate their widespread use by fleet owners; and

(8) ascertain any changes in fuel supply patterns, tax policies, and standards governing the manufacture of vehicles which are needed to facilitate the manufacture and use of methane-fueled vehicles.

**(d) Implementation of program; administrative procedures, etc., applicable**

(1) The Secretary of Energy shall insure that the conduct of the research and development program of this chapter—

(A) supplements the automotive propulsion system research and development efforts of industry;

(B) is not formulated in a manner that will supplant private industry research and development or displace or lessen industry's research and development; and

(C) avoids duplication of private research and development.

(2) To that end, the Secretary of Energy shall issue administrative regulations, within 60 days after December 12, 1980, which shall specify procedures, standards, and criteria for the timely review for compliance of each new contract, grant, Department of Energy project, or other agency project funded or to be funded under the authority of this chapter. Such regulations shall require that the Secretary of Energy or his designee shall certify that each such contract, grant, or project satisfies the requirement of this subsection, and shall include in such certification a discussion of the relationship of any related or comparable industry research and development, in terms of this subsection, to the proposed research and development under the authority of this chapter. The discussion shall also address related issues, such as cost sharing and patent rights.

(3) Such certifications shall be available 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 provisions of chapter 5 of title 5 shall not apply to such certifications and no court shall have any jurisdiction to review the preparation or adequacy of such certifications; but section 553 of title 5 and section 5916 of title 42 shall apply to public disclosure of such certifications.

(4) The Secretary of Energy also shall include in the report required by section 3808<sup>1</sup> of this title a detailed discussion of how each research and development contract, grant, or project funded under the authority of this chapter satisfies the requirement of this subsection.

(5) Further, the Secretary of Energy in each annual budget submission to the Congress, or amendment thereto, for the programs authorized by this chapter shall describe how each identified research and development effort in such submission satisfies the requirements of this subsection.

(6) The provisions and requirements of this subsection shall not apply with respect to any contract, grant, or project which was entered into, made, or formally approved and initiated prior to the enactment of this chapter, or with respect to any renewal or extension thereof.

(Pub. L. 96-512, § 4, Dec. 12, 1980, 94 Stat. 2828; Pub. L. 97-375, title I, §106(c), Dec. 21, 1982, 96 Stat. 1820; Pub. L. 103-437, §5(b)(5), Nov. 2, 1994, 108 Stat. 4582.)

**Editorial Notes**

**REFERENCES IN TEXT**

Section 3808 of this title, referred to in subsec. (d)(4), was repealed by Pub. L. 104-66, title I, §1051(p), Dec. 21, 1995, 109 Stat. 717.

**AMENDMENTS**

1994—Subsec. (d)(3). Pub. L. 103-437 substituted “Committee on Science, Space, and Technology” for “Committee on Science and Technology”.

1982—Subsec. (c)(8). Pub. L. 97-375 struck out “and report to the Congress on” after “ascertain”.

**§ 3804. Coordination with other Federal departments and agencies**

**(a) Related responsibilities and regulatory activities**

In carrying out the programs established under sections 3803 and 3806 of this title, the Secretary shall assure, to the maximum extent practicable, that the functions of this program are coordinated with related regulatory activities and other responsibilities of the Department of Energy and any other Federal departments or agencies.

**(b) Scope of assistance**

Each department, agency, and instrumentality of the executive branch of the Federal Government shall carefully consider any written request from the Secretary, the head of any organizational entity designated by the Secretary pursuant to section 3803(a) of this title, or the head of any agency which is party to an agreement or arrangement pursuant to section 3803(b)

<sup>1</sup> See References in Text note below.

of this title, to furnish such assistance, on a reimbursable basis, as the Secretary or such head deems necessary to carry out the program and to achieve the purposes of this chapter. Such assistance may include transfer of personnel with their consent and without prejudice to their position and rating.

(Pub. L. 96-512, § 5, Dec. 12, 1980, 94 Stat. 2830.)

#### § 3805. Research and development activities

The Secretary, acting through appropriate agencies and contractors, shall initiate and provide for the conduct of research and development in areas relating to methane-fueled vehicles, including but not limited to—

- (1) flammability and combustibility of methane under conditions likely to develop in storage or during vehicular use;
- (2) handling, storage, and distribution of methane for vehicular propulsion purposes;
- (3) comprehensive assessment of the relative hazards under identical circumstances of methane, propane, gasoline, and diesel fuel;
- (4) feasibility, economy, and efficiency of technologies for the production and recovery of methane from unconventional and supplemental sources, as provided for in other authorization Acts;
- (5) engine and fuel tank design including, but not limited to, optimum design for dual fuel capacity vehicles;
- (6) total vehicle construction and design;
- (7) the nature and quantities of emissions, and alterations in or alternatives to emission control systems presently in use; and
- (8) overcoming institutional barriers to widespread use including but not limited to restrictions on the transportation of methane for vehicular use through tunnels, and the potential expansion of the distribution of methane for vehicular purposes.

(Pub. L. 96-512, § 6, Dec. 12, 1980, 94 Stat. 2830.)

#### § 3806. Demonstrations

##### (a) Development of data assessing current state-of-the-art

Not later than January 1, 1982, the Secretary shall develop data assessing the current state-of-the-art with respect to vehicles fueled by methane to serve as baseline data to be utilized in evaluating improvements in methane-fueled vehicle technologies.

##### (b) Guidelines; promulgation, criteria, scope, etc.

Not later than April 1, 1982, the Secretary shall have promulgated necessary and appropriate guidelines for demonstrations and issued an initial request for proposals for technical and financial assistance to support public and private entities in developing and implementing demonstration projects to gather data on the operation of methane-fueled vehicles and methane transmission, storage, and dispensing facilities, under differing climatic, atmospheric, and operating conditions and on design and technical modifications of those vehicles and facilities:

- (1) In the case of public entities, the Secretary is authorized to provide—

(A) technical assistance reasonably associated with the modification or acquisition of vehicles to be fueled by methane or with dual fuel capacity, the installation of methane transmission, storage and dispensing facilities, and compliance with data acquisition and reporting requirements under this chapter; and

(B) grants to cover up to 50 per centum of reasonable and necessary costs associated with the installation of methane transmission, storage and dispensing facilities: *Provided*, That the Secretary shall be authorized to direct and require recipients of assistance under this section to enter into cooperative agreements for the planning and use of such facilities with other recipients of assistance under this section, under a cost-sharing agreement where appropriate and economical.

(2)(A) In the case of private entities, the Secretary is authorized to provide—

(i) technical assistance reasonably associated with the modification or acquisition of vehicles to be fueled by methane or with dual fuel capacity, the installation of methane transmission, storage and dispensing facilities, and compliance with data acquisition and reporting requirements under this chapter; and

(ii) loans to cover up to 50 per centum of reasonable and necessary costs associated with the installation of methane transmission, storage and dispensing facilities: *Provided*, That the Secretary shall be authorized to direct and require recipients of assistance under this section to enter into cooperative agreements for the planning and use of such facilities with other recipients of assistance under this section, under a cost-sharing agreement where appropriate and economical.

(B) Loans issued under this section shall bear interest at such rate as the Secretary may determine, giving consideration to the needs and capacities of the recipient and the prevailing rates of interest (public and private), except that such rate shall not be less than a rate determined by the Secretary of the Treasury, taking into consideration the current average yield on outstanding marketable obligations of the United States with remaining periods of maturity comparable to the average maturities of such loans. No loan shall be made unless the Secretary shall have determined that there is reasonable prospect of repayment.

(C) The terms and conditions of loans issued under this section shall take into account the scope of the particular demonstration and any particular conditions which might reasonably be expected to result in additional costs to the recipient, and shall reflect the relative costs of gasoline and diesel fuel and methane and the projected savings in fuel costs to the recipient as a result of participating in the demonstration. In no instance shall a loan issued under this section be for a period in excess of five years.

(3) The Secretary shall provide for appropriate assistance to defray costs associated