

(b) Cost sharing

The non-Federal contribution for activities funded under this section shall be not less than—

- (1) 20 percent for fuel infrastructure development activities; and
- (2) 50 percent for demonstration activities and for development activities not described in paragraph (1).

(c) Reports to Congress

Not later than 3 years after August 8, 2005, the Secretary shall transmit to Congress a report that—

- (1) evaluates the process of converting natural gas infrastructure to accommodate fuel cell-powered school buses; and
- (2) assesses the results of the development and demonstration program under this section.

(d) Authorization of appropriations

There are authorized to be appropriated to the Secretary to carry out this section \$25,000,000 for the period of fiscal years 2006 through 2009.

(Pub. L. 109–58, title VII, §743, Aug. 8, 2005, 119 Stat. 826.)

PART D—MISCELLANEOUS

§ 16101. Railroad efficiency**(a) Establishment**

The Secretary shall (in cooperation with the Secretary of Transportation and the Administrator of the Environmental Protection Agency) establish a cost-shared, public-private research partnership involving the Federal Government, railroad carriers, locomotive manufacturers and equipment suppliers, and the Association of American Railroads, to develop and demonstrate railroad locomotive technologies that increase fuel economy, reduce emissions, and lower costs of operation.

(b) Authorization of appropriations

There are authorized to be appropriated to the Secretary to carry out this section—

- (1) \$15,000,000 for fiscal year 2006;
- (2) \$20,000,000 for fiscal year 2007; and
- (3) \$30,000,000 for fiscal year 2008.

(Pub. L. 109–58, title VII, §751, Aug. 8, 2005, 119 Stat. 826.)

ADVANCED TECHNOLOGY LOCOMOTIVE GRANT PILOT PROGRAM

Pub. L. 110–140, title XI, §1111, Dec. 19, 2007, 121 Stat. 1757, provided that:

“(a) IN GENERAL.—The Secretary of Transportation, in consultation with the Administrator of the Environmental Protection Agency, shall establish and carry out a pilot program for making grants to railroad carriers (as defined in section 2102 of title 49, United States Code) and State and local governments—

- “(1) for assistance in purchasing hybrid or other energy-efficient locomotives, including hybrid switch and generator-set locomotives; and
- “(2) to demonstrate the extent to which such locomotives increase fuel economy, reduce emissions, and lower costs of operation.

“(b) LIMITATION.—Notwithstanding subsection (a), no grant under this section may be used to fund the costs of emissions reductions that are mandated under Federal law.

“(c) GRANT CRITERIA.—In selecting applicants for grants under this section, the Secretary of Transportation shall consider—

- “(1) the level of energy efficiency that would be achieved by the proposed project;
- “(2) the extent to which the proposed project would assist in commercial deployment of hybrid or other energy-efficient locomotive technologies;
- “(3) the extent to which the proposed project complements other private or governmental partnership efforts to improve air quality or fuel efficiency in a particular area; and
- “(4) the extent to which the applicant demonstrates innovative strategies and a financial commitment to increasing energy efficiency and reducing greenhouse gas emissions of its railroad operations.

“(d) COMPETITIVE GRANT SELECTION PROCESS.—

“(1) APPLICATIONS.—A railroad carrier or State or local government seeking a grant under this section shall submit for approval by the Secretary of Transportation an application for the grant containing such information as the Secretary of Transportation may require.

“(2) COMPETITIVE SELECTION.—The Secretary of Transportation shall conduct a national solicitation for applications for grants under this section and shall select grantees on a competitive basis.

“(e) FEDERAL SHARE.—The Federal share of the cost of a project under this section shall not exceed 80 percent of the project cost.

“(f) REPORT.—Not later than 3 years after the date of enactment of this Act [Dec. 19, 2007], the Secretary of Transportation shall submit to Congress a report on the results of the pilot program carried out under this section.

“(g) AUTHORIZATION OF APPROPRIATIONS.—There is authorized to be appropriated to the Secretary of Transportation \$10,000,000 for each of the fiscal years 2008 through 2011 to carry out this section. Such funds shall remain available until expended.”

§ 16102. Diesel fueled vehicles**(a) Definition of tier 2 emission standards**

In this section, the term “tier 2 emission standards” means the motor vehicle emission standards that apply to passenger cars, light trucks, and larger passenger vehicles manufactured after the 2003 model year, as issued on February 10, 2000, by the Administrator of the Environmental Protection Agency under sections 7521 and 7545 of this title.

(b) Diesel combustion and after-treatment technologies

The Secretary shall accelerate efforts to improve diesel combustion and after-treatment technologies for use in diesel fueled motor vehicles.

(c) Goals

The Secretary shall carry out subsection (b) with a view toward achieving the following goals:

- (1) Developing and demonstrating diesel technologies that, not later than 2010, meet the following standards:

(A) Tier 2 emission standards.

(B) The heavy-duty emissions standards of 2007 that are applicable to heavy-duty vehicles under regulations issued by the Administrator of the Environmental Protection Agency as of August 8, 2005.

- (2) Developing the next generation of low-emission, high efficiency diesel engine technologies, including homogeneous charge compression ignition technology.