alteration, or repair work funded under div. D or an amendment by div. D of Pub. L. 117–58, including authority of Secretary of Labor, see section 18851 of this title.]

§ 16152. Definitions

In this subchapter:

(1) Clean hydrogen; hydrogen

The terms ''clean hydrogen'' and ''hydrogen'' mean hydrogen produced in compliance with the greenhouse gas emissions standard established under section 16166(a) of this title, including production from any fuel source.

(2) Fuel cell

The term ''fuel cell'' means a device that directly converts the chemical energy of a fuel, which is supplied from an external source, and an oxidant into electricity by electrochemical processes occurring at separate electrodes in the device.

(3) Heavy-duty vehicle

The term ''heavy-duty vehicle'' means a motor vehicle that—

(A) is rated at more than 8,500 pounds gross vehicle weight;

(B) has a curb weight of more than 6,000 pounds; or

(C) has a basic vehicle frontal area in excess of 45 square feet.

(4) Infrastructure

The term ''infrastructure'' means the equipment, systems, or facilities used to produce, distribute, deliver, or store hydrogen (except for onboard storage).

(5) Light-duty vehicle

The term ''light-duty vehicle'' means a motor vehicle that is rated at 8,500 or less pounds gross vehicle weight.

(6) Portable; storage

The terms ''portable'' and ''storage'', when used in reference to a fuel cell, include—

(A) continuous electric power; and

(B) backup electric power.

(7) Task Force

The term ''Task Force'' means the Hydrogen and Fuel Cell Technical Task Force established under section 16155 of this title.

(8) Technical Advisory Committee

The term ''Technical Advisory Committee'' means the independent Technical Advisory Committee established under section 16156 of this title.

(Pub. L. 109–58, title VIII, § 803, Aug. 8, 2005, 119 Stat. 844; Pub. L. 117–58, div. D, title III, § 40312, Nov. 15, 2021, 135 Stat. 1006.)

Editorial Notes

AMENDMENTS

2021—Pars. (1) to (4). Pub. L. 117–58, § 40312(2), (3), added par. (1) and redesignated former pars. (1) to (3) as (2) to (4), respectively. Former par. (4) redesignated (5). Par. (5). Pub. L. 117–58, § 40312(2), redesignated par. (4) as (5). Former par. (5) redesignated (6).

Pub. L. 117–58, § 40312(1), substituted ''Portable; storage'' for ''Stationary; portable'' in heading and ''The terms 'portable' and 'storage', when'' for ''The terms 'stationary' and 'portable', when'' in introductory provisions.

Pars. (6) to (8). Pub. L. 117–58, § 40312(2), redesignated pars. (5) to (7) as (6) to (8), respectively.

Statutory Notes and Related Subsidiaries

WAGE RATE REQUIREMENTS

For provisions relating to rates of wages to be paid to laborers and mechanics on projects for construction, alteration, or repair work funded under div. D or an amendment by div. D of Pub. L. 117–58, including authority of Secretary of Labor, see section 18851 of this title.

§ 16153. Plan

Not later than 6 months after August 8, 2005, the Secretary shall transmit to Congress a coordinated plan for the programs described in this subchapter and any other programs of the Department that are directly related to fuel cells or hydrogen. The plan shall describe, at a minimum—

(1) the agenda for the next 5 years for the programs authorized under this subchapter, including the agenda for each activity enumerated in section 16154(e) of this title;

(2) the types of entities that will carry out the activities under this subchapter and what role each entity is expected to play;

(3) the milestones that will be used to evaluate the programs for the next 5 years;

(4) the most significant technical and nontechnical hurdles that stand in the way of achieving the goals described in section 16154 of this title, and how the programs will address those hurdles; and

(5) the policy assumptions that are implicit in the plan, including any assumptions that would affect the sources of hydrogen or the marketability of hydrogen-related products.

(Pub. L. 109–58, title VIII, § 804, Aug. 8, 2005, 119 Stat. 845.)

§ 16154. Clean hydrogen research and development program

(a) In general

The Secretary, in consultation with other Federal agencies and the private sector, shall conduct a crosscutting research and development program (referred to in this section as the ''program'') on technologies relating to the production, processing, purification, distribution, storage, and use of hydrogen energy, fuel cells, and related infrastructure.

(b) Goals

The goals of the program shall be—

(1) to advance research and development to demonstrate and commercialize the use of clean hydrogen in the transportation, utility, industrial, commercial, and residential sectors; and

(2) to demonstrate a standard of clean hydrogen production in the transportation, utility, industrial, commercial, and residential sectors by 2040.

(c) Focus

In carrying out activities under this section, the Secretary shall focus on factors that are