

**SUBSTITUTE AMENDMENT OFFERED BY Ms. ZOE  
LOFGREN OF CALIFORNIA  
TO THE AMENDMENT IN THE NATURE OF A  
SUBSTITUTE**

Strike all after the enacting clause and insert the following:

**1 SEC. 1. DEFINITIONS.**

2 In this Act:

3 (1) ADMINISTRATOR.—The term “Adminis-  
4 trator” means the Administrator of the Environ-  
5 mental Protection Agency.

6 (2) MID-LEVEL ETHANOL BLEND.—The term  
7 “mid-level ethanol blend” means an ethanol-gasoline  
8 blend containing 15 or 20 percent ethanol by volume  
9 that is intended to be used in gasoline-powered  
10 motor vehicles, motorcycles, heavy-duty gasoline en-  
11 gines and vehicles, and nonroad engines, vehicles,  
12 and equipment.

**13 SEC. 2. EVALUATION.**

14 (a) IN GENERAL.—The Administrator, acting  
15 through the Assistant Administrator of the Office of Re-  
16 search and Development at the Environmental Protection  
17 Agency, shall—

1           (1) not later than 45 days after the date of en-  
2           actment of this Act, enter into an agreement with  
3           the National Academy of Sciences to provide, within  
4           18 months after the date of the agreement, a com-  
5           prehensive assessment of the scientific and technical  
6           research on the implications of the use of mid-level  
7           ethanol blends, comparing mid-level ethanol blends  
8           to gasoline blends containing both 10 percent and  
9           zero percent ethanol; and

10           (2) not later than 30 days after receiving the  
11           results of the assessment under paragraph (1), sub-  
12           mit a report to the Committee on Science, Space,  
13           and Technology of the House of Representatives on  
14           the findings of the assessment.

15           (b) CONTENTS.—The assessment performed under  
16           subsection (a)(1) shall—

17           (1) evaluate research related to the short-term  
18           and long-term environmental, safety, durability, and  
19           performance effects of the introduction and use of  
20           mid-level ethanol blends on vehicles, motorcycles,  
21           heavy-duty gasoline engines and vehicles, and  
22           nonroad engines, vehicles, and equipment. The eval-  
23           uation shall include a review of all available scientific  
24           information and research related to—

25                           (A) tailpipe emissions;

- 1 (B) evaporative emissions;
- 2 (C) engine and fuel system durability;
- 3 (D) onboard diagnostics;
- 4 (E) emissions inventory and other mod-
- 5 eling effects;
- 6 (F) materials compatibility;
- 7 (G) operability and drivability;
- 8 (H) fuel efficiency;
- 9 (I) catalyst durability; and
- 10 (J) durability of storage tanks, piping, and
- 11 dispensers for retail;
- 12 (2) identify areas of research and testing nec-
- 13 essary to—
- 14 (A) ensure that existing motor fuel infra-
- 15 structure is not impacted by mid-level ethanol
- 16 blends, including potential impacts of mid-level
- 17 ethanol blends on metal, plastic, rubber, or any
- 18 other materials used in pipes or storage tanks;
- 19 and
- 20 (B) reduce the risk of misfueling by users
- 21 at various points in the distribution and supply
- 22 chain, including at bulk storage, retail storage,
- 23 and distribution configurations; and
- 24 (3) examine the best methods and practices to
- 25 prevent misfueling, including technical standards

1 and recommendations of the National Institute of  
2 Standards and Technology, the American National  
3 Standards Institute, and the International Organiza-  
4 tion for Standardization regarding fuel pump label-  
5 ing.

6 **SEC. 3. AUTHORIZATION OF APPROPRIATIONS.**

7 In order to carry out this Act, the Administrator shall  
8 utilize up to \$900,000 from the funds made available for  
9 science and technology, including research and develop-  
10 ment activities, at the Environmental Protection Agency.

