

112TH CONGRESS  
1ST SESSION

# H. R. 549

To direct the Administrator of the Federal Aviation Administration to establish and carry out a program to safely and feasibly address piston engine aircraft emissions, and for other purposes.

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## IN THE HOUSE OF REPRESENTATIVES

FEBRUARY 8, 2011

Mr. GRAVES of Missouri (for himself and Mr. BARROW) introduced the following bill; which was referred to the Committee on Transportation and Infrastructure, and in addition to the Committee on Science, Space, and Technology, for a period to be subsequently determined by the Speaker, in each case for consideration of such provisions as fall within the jurisdiction of the committee concerned

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## A BILL

To direct the Administrator of the Federal Aviation Administration to establish and carry out a program to safely and feasibly address piston engine aircraft emissions, and for other purposes.

1 *Be it enacted by the Senate and House of Representa-*  
2 *tives of the United States of America in Congress assembled,*

3 **SECTION 1. PISTON ENGINE AIRCRAFT EMISSIONS PRO-**  
4 **GRAM.**

5 (a) ESTABLISHMENT.—Not later than 180 days after  
6 the date of enactment of this Act, the Administrator of

1 the Federal Aviation Administration shall establish a pro-  
2 gram to facilitate the safe and feasible reduction or re-  
3 moval of lead from the emissions of piston engine aircraft.

4 (b) CONSIDERATIONS.—In establishing the program  
5 under subsection (a), the Administrator shall consider—

- 6 (1) aviation safety;
- 7 (2) economic impact;
- 8 (3) technical feasibility; and
- 9 (4) improvement of the environment.

10 (c) PROGRAM COMPONENTS.—In carrying out the  
11 program under subsection (a), the Administrator shall, at  
12 a minimum—

13 (1) analyze unleaded aviation fuel research and  
14 establish goals for future research;

15 (2) assess the viability of a reduced lead and an  
16 unleaded aviation fuel by establishing a public-pri-  
17 vate partnership or other appropriate entity to pro-  
18 vide an independent assessment;

19 (3) assess the ability of the Administration and  
20 industry to expeditiously certify and approve new  
21 aircraft and recertify existing aircraft with respect  
22 to reduced lead or unleaded aviation fuel;

23 (4) assess technologies that modify existing pis-  
24 ton engine aircraft to enable safe operation of the  
25 aircraft using reduced lead or unleaded aviation fuel

1 and determine the resources necessary to certify  
2 those technologies; and

3 (5) develop appropriate policies and guidance to  
4 facilitate a transition to reduced lead or unleaded  
5 aviation fuel for piston engine aircraft without ad-  
6 versely impacting aviation safety or air commerce.

7 (d) COLLABORATION.—In carrying out the program  
8 under subsection (a), the Administrator shall collaborate  
9 with—

10 (1) industry groups representing aviation con-  
11 sumers, manufacturers, and fuel producers and dis-  
12 tributors; and

13 (2) the Environmental Protection Agency and  
14 other appropriate agencies (as determined appro-  
15 priate by the Administrator).

16 (e) INTEGRATION WITH INDUSTRY INITIATIVES.—  
17 The Administrator shall ensure that the program under  
18 subsection (a) is integrated with industry initiatives estab-  
19 lished to transition piston engine aircraft to reduced lead  
20 or unleaded fuel.

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