

AMENDMENT NO. _____

Calendar No. _____

Purpose: To require the Secretary to conduct a 3-year program of research, development, and demonstration on the use of ethanol and other low-cost transportable renewable feedstocks as intermediate fuels for the safe, energy efficient, and cost-effective transportation of hydrogen.

IN THE SENATE OF THE UNITED STATES—109th Cong., 1st Sess.

H.R. 6

To **AMENDMENT No. 0988** andBy Domenici for Harkin

To: _____

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Page(s)

GPO: 2004 87-280(Mac)

AMENDMENT intended to be proposed by Mr. HARKIN

Viz:

- 1 On page 489, between lines 20 and 21, insert the fol-
- 2 lowing
- 3 **SEC. 9 ____ . HYDROGEN INTERMEDIATE FUELS RESEARCH**
- 4 **PROGRAM.**
- 5 (a) IN GENERAL.—The Secretary, in coordination
- 6 with the Secretary of Agriculture, shall carry out a 3-year
- 7 program of research, development, and demonstration on

1 the use of ethanol and other low-cost transportable renew-
2 able feedstocks as intermediate fuels for the safe, energy
3 efficient, and cost-effective transportation of hydrogen.

4 (b) GOALS.—The goals of the program shall
5 include—

6 (1) demonstrating the cost-effective conversion
7 of ethanol or other low-cost transportable renewable
8 feedstocks to pure hydrogen suitable for eventual use
9 in fuel cells;

10 (2) using existing commercial reforming tech-
11 nology or modest modifications of existing tech-
12 nology to reform ethanol or other low-cost transport-
13 able renewable feedstocks into hydrogen;

14 (3) converting at least 1 commercially available
15 internal combustion engine hybrid electric passenger
16 vehicle to operate on hydrogen;

17 (4) not later than 1 year after the date on
18 which the program begins, installing and operating
19 an ethanol reformer, or reformer for another low-
20 cost transportable renewable feedstock (including on-
21 site hydrogen compression, storage, and dispensing),
22 at the facilities of a fleet operator;

23 (5) operating the 1 or more vehicles described
24 in paragraph (3) for a period of at least 2 years;
25 and

1 (6) collecting emissions and fuel economy data
2 on the 1 or more vehicles described in paragraph (3)
3 in various operating and environmental conditions.

4 (c) AUTHORIZATION OF APPROPRIATIONS.—There is
5 authorized to be appropriated to carry out this section
6 \$5,000,000.