

SENATE RESOLUTION NO. 46

RULES & ADMINISTRATION

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BY HOUSER

3 A Resolution relating to Iowa's contribution to a
4 hydrogen-powered economy.

5 WHEREAS, hydrogen is the most abundant element in
6 the universe and can offer an inexhaustible supply of
7 fuel, once released from substances that contain it,
8 such as water or biomass; and

9 WHEREAS, a growing reliance on domestically
10 produced hydrogen as an energy carrier promises
11 important energy, security, economic, and
12 environmental benefits to Iowa and the nation; and

13 WHEREAS, Iowa's economy and citizens would benefit
14 significantly from realizing the state's potential for
15 producing clean hydrogen from renewable sources such
16 as methane derived from anaerobic digestion, ethanol,
17 ammonia, and water; and

18 WHEREAS, in addition to using renewable energy
19 directly, using renewable energy to produce hydrogen
20 from water or biomass offers a method to store energy
21 and deploy it when and where it is needed throughout
22 the economy for transportation, buildings, and
23 portable applications such as computer laptops and
24 cell phones; and

25 WHEREAS, businesses, states, and nations around the
26 world are aggressively pursuing a hydrogen-powered
27 economy and agree that hydrogen represents an
28 attractive energy carrier throughout the economy,
29 particularly when used in clean, efficient fuel cells
30 to produce useful electricity, heating, and cooling;

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1 and

2 WHEREAS, Iowa's world-class research institutions
3 and universities can increase the overall investment
4 in the state and accelerate the commercialization of
5 hydrogen, fuel cells, and other clean energy
6 technologies by leveraging their strengths with those
7 of similar institutions in the region; NOW THEREFORE,

8 BE IT RESOLVED BY THE SENATE, That the Senate urges
9 both the public and private sectors in Iowa to strive
10 to make the following the policy of this state:

11 To develop the state's capacity to produce, store,
12 distribute, and use hydrogen made from native
13 resources as an increasing source of transportation
14 fuel and for electricity, heating, cooling, fertilizer
15 production, or other new productive and benign uses;

16 To encourage the commercialization of hydrogen,
17 fuel cells, and other clean energy technologies that
18 would benefit the state; and

19 To encourage the state's research and higher
20 education institutions to work with similar
21 institutions in the region to identify and leverage
22 their respective strengths, and to explore the
23 creation of a regional energy research and education
24 consortium that can compete effectively for public and
25 private investment with other national centers of
26 excellence, such as the United States Department of
27 Energy's recently established hydrogen technology
28 learning centers.

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