

HOUSE RESOLUTION NO. 21

BY ARNOLD

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

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

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

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

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

WHEREAS, businesses, states, and nations around the world are aggressively pursuing a hydrogen-powered economy and agree that hydrogen represents an attractive energy carrier throughout the economy, particularly when used in clean, efficient fuel cells 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 HOUSE OF REPRESENTATIVES,
9 That the House of Representatives urges both the
10 public and private sectors in Iowa to strive to make
11 the following the policy of this state:

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

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

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

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