

JAN 28 2011

SENATE RESOLUTION

REQUESTING THE CONVENING OF A WORKING GROUP TO INVESTIGATE THE
FEASIBILITY OF USING STRANDED ENERGY FROM EXISTING WIND
ENERGY GENERATION PLANTS IN THE COUNTY OF HAWAII.

1 WHEREAS, the generating capacity of existing wind
2 facilities is underutilized by electric grid operators,
3 preventing "stranded energy" from being converted to storable,
4 transportable products; and
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6 WHEREAS, the County of Hawaii has convened a geothermal
7 working group to evaluate the potential of using geothermal
8 energy as the primary energy source for electricity in the
9 County of Hawaii; and
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11 WHEREAS, one of the uses of geothermally generated electric
12 power that the working group may recommend is fuel to run a
13 hydrogen/Haber Bosch plant to produce fuel and fertilizer; and
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15 WHEREAS, hydrogen can be readily generated from sea water
16 through electrolysis; and
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18 WHEREAS, hydrogen can be used to fuel the internal
19 combustion engines of buses added to the Hawaii County bus fleet
20 in the future; and
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22 WHEREAS, electricity from the stranded energy of existing
23 wind farms can be transmitted to a hydrogen/Haber Bosch plant
24 over existing transmission facilities, which could then generate
25 hydrogen through hydrolysis and ammonia through the Haber Bosch
26 process to produce various agricultural products; now,
27 therefore,
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29 BE IT RESOLVED by the Senate of the Twenty-sixth
30 Legislature of the State of Hawaii, Regular Session of 2011,
31 that the Mayor of Hawaii County is requested to convene a
32 working group to investigate the feasibility of using stranded
33 energy from existing wind energy generation plants to produce
34 storable, transportable products that promote a self-sustaining



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1 economy and sustainable energy resources in the County of
2 Hawaii; and

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4 BE IT FURTHER RESOLVED that the Mayor of the County of
5 Hawaii determine and appoint members of the working group in a
6 number with sufficient expertise to efficiently execute the
7 purpose of the working group; and

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9 BE IT FURTHER RESOLVED that the working group is requested
10 to report its findings and recommendations to the Legislature no
11 later than twenty days prior to the convening of the Regular
12 Session of 2012; and

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14 BE IT FURTHER RESOLVED that certified copies of this
15 Resolution be transmitted to the Governor, the Chairperson of
16 the Board of Land and Natural Resources, the Director of
17 Business, Economic Development, and Tourism, the Mayor of Hawaii
18 County, the Chairperson of the Hawaii Island Economic
19 Development Board, Inc., the Chairperson of the Public Utilities
20 Commission, the Consumer Advocate, the President of the Hawaii
21 Electric Light Company, and the President of the Big Island
22 Labor Alliance.

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OFFERED BY:

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