
HOUSE CONCURRENT RESOLUTION

URGING EACH COUNTY TO EXAMINE THE FEASIBILITY OF USING DOWNDRAFT
GASIFICATION TO CONVERT WASTE INTO FUEL AND BIOCHAR.

1 WHEREAS, to combat the increasing amount of waste being
2 generated by the State's growing population, new approaches to
3 waste disposal are becoming increasingly necessary; and
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5 WHEREAS, a process known as downdraft gasification could be
6 an effective solution to disposing of the State's waste and an
7 efficient source of energy; and
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9 WHEREAS, downdraft gasification is a process in which waste
10 is heated at extremely high temperatures and converted into fuel
11 and pure carbon pellets, or biochar; and
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13 WHEREAS, the biochar that is created by downdraft
14 gasification has numerous agricultural uses, including improving
15 soil health; and
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17 WHEREAS, a single downdraft gasification unit costs
18 approximately \$200,000 and can process an estimated ten tons of
19 waste per day, or approximately fifty to one hundred pounds of
20 waste per hour; now, therefore,
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22 BE IT RESOLVED by the House of Representatives of the
23 Thirtieth Legislature of the State of Hawaii, Regular Session of
24 2020, the Senate concurring, that each county is urged to
25 examine the feasibility of using downdraft gasification to
26 convert waste into fuel and biochar; and
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1 BE IT FURTHER RESOLVED that certified copies of this
2 Concurrent Resolution be transmitted to the Mayor of each
3 county.
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OFFERED BY: T. Vinson

Makashona
Nicole E. Lowe

Deidra

John M. [unclear]
Edin [unclear]

Re [unclear]

Beals

Guthrie Thelen

Bill [unclear]

[unclear]

[unclear]

Brenda Kofuji

Amy Perras

[unclear]

Frank S. King

Chris T. [unclear]

[unclear]

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