

---

---

## HOUSE 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  
4

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  
8

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  
12

13           WHEREAS, the biochar that is created by downdraft  
14 gasification has numerous agricultural uses, including improving  
15 soil health; and  
16

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,  
21

22           BE IT RESOLVED by the House of Representatives of the  
23 Thirtieth Legislature of the State of Hawaii, Regular Session of  
24 2020, that each county is urged to examine the feasibility of  
25 using downdraft gasification to convert waste into fuel and  
26 biochar; and  
27

28           BE IT FURTHER RESOLVED that certified copies of this  
29 Resolution be transmitted to the Mayor of each county.  
30  
31  
32

OFFERED BY:           *T. Wingum*          



H.R. NO. 41

~~Bo~~  
Amy Peruso  
Frank King  
Frank  
Con T. Oll  
Gregory  
Nicole E. Lower  
Ralph  
John M. [Signature]  
Ad [Signature]  
Calvin [Signature]  
Bob [Signature]  
[Signature]  
Guthrie Thelen  
[Signature]  
Brend Kobayashi

