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# HOUSE CONCURRENT RESOLUTION

URGING EVALUATION AND IMPLEMENTATION OF BEST MANAGEMENT  
PRACTICES AND TECHNOLOGIES FOR VESSEL BIOFOULING MANAGEMENT  
AND COLLABORATION BY STATE AGENCIES IN THE DEVELOPMENT OF  
BIOFOULING MANAGEMENT REGULATIONS FOR HAWAII HARBORS.

1           WHEREAS, the maritime industry is an important component of  
2 Hawaii's economy and commercial shipping companies make great  
3 efforts to follow voluntary best management practices to reduce  
4 vessel biofouling, including the use of less toxic protective  
5 hull coatings and by cleaning and reapplication of coatings  
6 within recommended timeframes; and

7  
8           WHEREAS, biofouling begins to accumulate on submerged  
9 portions of vessels within a few weeks, and this microfouling  
10 layer facilitates the growth of larger fouling organisms that  
11 can decrease the efficiency and safe operation of a vessel; and

12  
13           WHEREAS, studies have shown biofouling on vessels to be an  
14 important vector of aquatic invasive species transfer which, if  
15 established in new ecosystems, may pose threats to the  
16 environment, human health, property, and resources; and

17  
18           WHEREAS, the Hawaii Interagency Biosecurity Plan 2017-2027  
19 (Biosecurity Plan) recognizes that vessel biofouling has  
20 contributed to up to 78 percent of Hawaii's non-native marine  
21 algae and invertebrate species; and

22  
23           WHEREAS, the Biosecurity Plan calls on the Department of  
24 Land and Natural Resources (DLNR), Department of Agriculture  
25 (DOA), Department of Health (DOH), and Department of  
26 Transportation (DOT) to develop hull husbandry practices and  
27 proactive hull cleaning standards for nonmilitary vessels to  
28 minimize movement of non-native aquatic organisms into Hawaii's  
29 ports, harbors, and marinas; and



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1 WHEREAS, section 187A-32, Hawaii Revised Statutes,  
2 designates DLNR as the lead state agency for preventing the  
3 introduction of non-native aquatic organisms through the  
4 regulation of hull-fouling organisms; and

5  
6 WHEREAS, DOH is tasked with administering water pollution  
7 control regulations and enforcing water quality standards under  
8 Chapter 342D, Hawaii Revised Statutes; and

9  
10 WHEREAS, section 266-1, Hawaii Revised Statutes, requires  
11 that all vessels and shipping within the commercial harbors and  
12 roadsteads of Hawaii shall be under the care and control of DOT;  
13 and

14  
15 WHEREAS, a high level of coordination between various state  
16 agencies will be required to develop and implement safe and  
17 effective measures for biofouling management in Hawaii's  
18 harbors; and

19  
20 WHEREAS, the Alliance for Coastal Technologies (ACT) and  
21 Maritime Environmental Resource Center (MERC) have developed a  
22 program for testing full-capture biofouling removal technologies  
23 and have formally invited participation from Hawaii agencies in  
24 its testing programs, and Hawaii has been requested to represent  
25 isolated tropical island climates for this program; and

26  
27 WHEREAS, Chapter 194, Hawaii Revised Statutes, authorizes  
28 the Hawaii Invasive Species Council (HISC) to advise and  
29 coordinate invasive species-related efforts with and between  
30 state, federal, international, and private programs, and to  
31 coordinate the State's position with regard to invasive species;  
32 and

33  
34 WHEREAS, HISC Resolution 18-1 supports Hawaii's involvement  
35 in the ACT/MERC program for the assessment and evaluation of  
36 biofouling management technologies and urges state agencies to  
37 cooperate in the development and implementation of an in-water  
38 cleaning program in Hawaii's harbors; now, therefore,

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40 BE IT RESOLVED by the House of Representatives of the  
41 Twenty-ninth Legislature of the State of Hawaii, Regular Session  
42 of 2018, the Senate concurring, that state agencies are urged to



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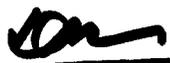
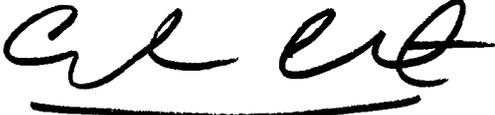
1 work together in planning for Hawaii's involvement in the  
 2 ACT/MERC program for the assessment and evaluation of biofouling  
 3 management technologies; and  
 4

5 BE IT FURTHER RESOLVED that state agencies are urged to  
 6 review the risks of non-abrasive cleaning of ship hull  
 7 microfouling and create a process and conditions, such as best  
 8 management practices, to allow certain vessels with low-risk  
 9 hull coatings or paint to apply for an in-water cleaning permit;  
 10 and  
 11

12 BE IT FURTHER RESOLVED that state agencies are urged to  
 13 develop and implement a measurable and enforceable program to  
 14 address biofouling to launch with a voluntary compliance phase  
 15 in period by December 31, 2019, in accordance with the  
 16 Biosecurity Plan; and  
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18 BE IT FURTHER RESOLVED that certified copies of this  
 19 Concurrent Resolution be transmitted to the Governor and to the  
 20 directors or chairpersons of each HISC agency.  
 21  
 22  
 23

OFFERED BY:

	
	
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