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## HOUSE RESOLUTION

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URGING THE COUNTIES TO IMPLEMENT THE RECOMMENDATIONS SET FORTH  
IN THE JUNE 2016 HAWAII ENERGY CODES COMPLIANCE STUDY.

1 WHEREAS, in the United States, buildings account for nearly  
2 forty percent of national carbon dioxide emissions, more than  
3 any other sector and larger than even the industrial and  
4 transportation sectors; and

5  
6 WHEREAS, the State Building Code Council and the individual  
7 counties are tasked with implementing and enforcing building  
8 energy code standards to ensure that Hawaii's buildings are  
9 energy efficient and environmentally friendly; and

10  
11 WHEREAS, Hawaii Energy commissioned a study to identify the  
12 parts of the building energy code that are subject to compliance  
13 issues, and whether there are corresponding savings  
14 opportunities available from improving compliance rates; and

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16 WHEREAS, the Hawaii Energy Codes Compliance Study, Version  
17 Three, published in June 2016, reviewed the extent to which  
18 nonresidential and high-rise residential buildings in the County  
19 of Hawaii, County of Maui, and City and County of Honolulu  
20 comply with the building energy code; and

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22 WHEREAS, a sample of recently permitted projects were  
23 selected in each of the reviewed counties: ten in Hawaii; ten in  
24 Maui; and twenty in Honolulu; and

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26 WHEREAS, the projects were selected to provide a mix of  
27 large and small projects and new construction and renovation  
28 projects; and

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30 WHEREAS, the review of each project covered the buildings'  
31 interior lighting; exterior lighting envelope; heating  
32 ventilation, and air conditioning; and water heating systems;  
33 and



1  
2 WHEREAS, the study estimated the total energy impact of  
3 non-compliance with the building energy code to exceed seven  
4 percent, and in some categories, such as interior lighting, the  
5 study reported thirty-five percent non-compliance; and  
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7 WHEREAS, when the total non-compliance impacts are applied  
8 to construction forecasts, the total loss of energy savings was  
9 estimated to be roughly 4.9 million kilowatt-hours per year,  
10 which equates to over \$1,600,000; and  
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12 WHEREAS, older buildings also lag far behind current  
13 standards, and even new, efficient buildings may miss energy  
14 savings goals without regular monitoring and care; and  
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16 WHEREAS, Hawaii should also consider incentivizing up-to-  
17 code improvements to realize efficiency gains throughout the  
18 current building stock; and  
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20 WHEREAS, in summary, the Hawaii Energy Codes Compliance  
21 Study recommended that the counties:  
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- 23 (1) Develop simple guidelines that show the performance  
24 information that a designer must include on the plans  
25 submitted for permit approval, as this information is  
26 often missing from the plans despite being required by  
27 the building energy code;  
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- 29 (2) Require that designers indicate the code that they are  
30 using for their design and also indicate the  
31 compliance path that is applied;  
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- 33 (3) Improve awareness of county building energy code  
34 amendments;  
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- 36 (4) Develop simple compliance guidance and incentive  
37 programs for small retail projects, especially  
38 focusing on lighting power compliance;  
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- 40 (5) Develop guidance for improving window compliance for  
41 projects in general;  
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- 1 (6) Develop guidance for mechanical system commissioning;  
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3 (7) Develop guidance on envelope requirements for  
4 unconditioned buildings; and  
5  
6 (8) Prepare guidance information to support compliance  
7 with the 2015 International Energy Conservation Code;  
8 and  
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10 WHEREAS, building energy codes are updated as technology  
11 advances, and recent exponential advancements in technology make  
12 it difficult for building designers to stay up-to-date with the  
13 latest requirements and trends; and  
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15 WHEREAS, the recommendations set forth in the Hawaii Energy  
16 Codes Compliance Study focus heavily on keeping designers  
17 abreast of the most current energy code requirements, which in  
18 turn, will increase energy efficiency in Hawaii; now, therefore,  
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20 BE IT RESOLVED by the House of Representatives of the  
21 Twenty-ninth Legislature of the State of Hawaii, Regular Session  
22 of 2018, that the counties are urged to implement the  
23 recommendations set forth in the June 2016 Hawaii Energy Codes  
24 Compliance Study; and  
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26 BE IT FURTHER RESOLVED that certified copies of this  
27 Resolution be transmitted to the Governor; Director of Business,  
28 Economic Development, and Tourism; Administrator of the Hawaii  
29 State Energy Office; Chair of the State Building Code Council;  
30 Mayor of each county; Director of the Department of Planning and  
31 Permitting, City and County of Honolulu; Director of the  
32 Department of Planning, County of Maui; Director of the Planning  
33 Department, County of Hawaii; and Director of the Department of  
34 Planning, County of Kauai.  
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OFFERED BY: 

MAR - 9 2018

