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## HOUSE RESOLUTION

URGING THE PERFORMANCE OF A COST-BENEFIT ANALYSIS ON THE  
REDUCTION OF STREET LIGHTING ON OAHU AND AN EXAMINATION OF  
THE EFFECTS THIS REDUCTION MAY HAVE ON LIGHT POLLUTION.

1           WHEREAS, street lighting along state and county roadways is  
2 installed to suitably and safely illuminate these streets for  
3 night-time driving; and  
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5           WHEREAS, while serving an important and useful purpose, the  
6 abundance of street lighting also has negative consequences such  
7 as increased energy consumption and the production of light  
8 pollution that can adversely impact native wildlife; and  
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10           WHEREAS, on the island of Oahu, it is estimated that at  
11 least \$7 million per year is spent in electricity costs to light  
12 our streets and that up to 40 percent of the energy used for  
13 lighting in Honolulu is wasted by lighting the sky or directing  
14 the light where it is not needed; and  
15

16           WHEREAS, proposals have been made to change lighting  
17 fixtures on Hawaii's roadways and highways in order to conserve  
18 energy and resources while maintaining appropriate outdoor  
19 lighting suitable for safety, utility, and security, as well as  
20 protecting the environment; and  
21

22           WHEREAS, these difficult economic times necessitate finding  
23 ways to reduce governmental operational costs even while  
24 promoting Hawaii's sustainability, and this can be accomplished  
25 by reducing street lighting; and  
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27           WHEREAS, less street lighting has the added benefit of  
28 reducing light pollution, thus positively impacting Hawaii's  
29 natural environment; now, therefore,



# H.R. NO. 167

1 BE IT RESOLVED by the House of Representatives of the  
 2 Twenty-sixth Legislature of the State of Hawaii, Regular Session  
 3 of 2011, that the State Department of Transportation and  
 4 Department of Transportation Services of the City and County of  
 5 Honolulu are urged to collaboratively perform a cost-benefit  
 6 analysis on the reduction of street lighting on Oahu and examine  
 7 the effects this reduction may have on light pollution; and



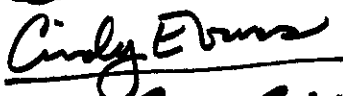
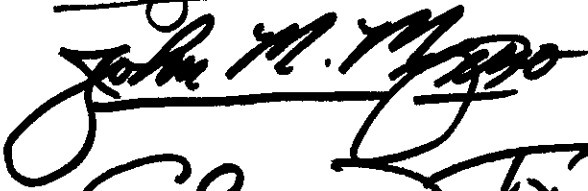

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 9 BE IT FURTHER RESOLVED this analysis and examination shall  
 10 include evaluation of the possible cost and energy savings that  
 11 may be realized by a reduction in the number of street lights,  
 12 the effects of using full-cutoff or semi-cutoff street lighting  
 13 fixtures on light pollution, the possible cost savings realized  
 14 by using such fixtures, and any safety and other concerns raised  
 15 by reduced street lighting or the use of full-cutoff or semi-  
 16 cutoff street lighting fixtures; and

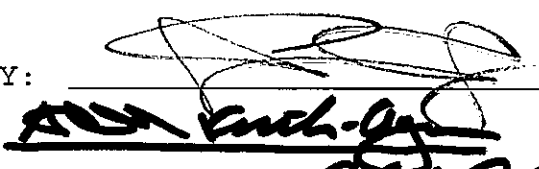
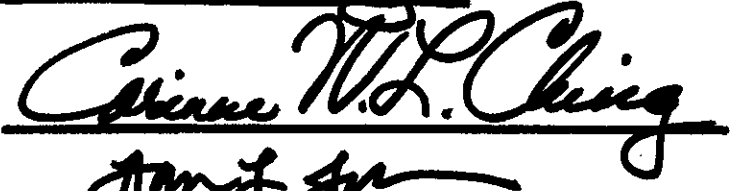
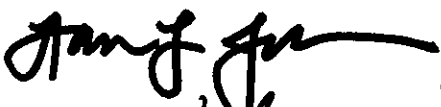


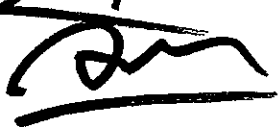
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 18 BE IT FURTHER RESOLVED that the State Department of  
 19 Transportation submit a report of findings and recommendations,  
 20 including any legislation, to the Legislature no later than 20  
 21 days prior to the convening of the Regular Session of 2012; and

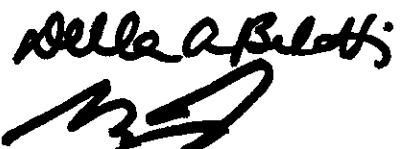
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 23 BE IT FURTHER RESOLVED that certified copies of this  
 24 Resolution be transmitted to the Director of Transportation and  
 25 Director of the Department of Transportation Services of the  
 26 City and County of Honolulu.

27  
 28  
 29

OFFERED BY:



HR HMS 2011-2945



MAR 16 2011