

COUNCIL OF THE COUNTY OF MAUI
INFRASTRUCTURE AND
ENVIRONMENTAL MANAGEMENT
COMMITTEE

August 7, 2015

Committee
Report No. _____

Honorable Chair and Members
of the County Council
County of Maui
Wailuku, Maui, Hawaii

Chair and Members:

Your Infrastructure and Environmental Management Committee, having met on July 20, 2015, makes reference to County Communication 15-18, from the Director of Public Works, transmitting a proposed bill entitled "A BILL FOR AN ORDINANCE AMENDING CHAPTER 20.35, MAUI COUNTY CODE, RELATING TO OUTDOOR LIGHTING STANDARDS."

The purpose of the proposed bill is to extend, by three years, the deadline for outdoor lighting fixtures to comply with the County's outdoor lighting standards and to allow the use of different types of streetlights.

Your Committee notes, pursuant to Chapter 20.35, Maui County Code, "class IV" lighting fixtures, such as streetlights, are limited to using only high-pressure-sodium ("HPS") or low-pressure-sodium lamps.

The Director of Public Works informed your Committee it cost more than \$2 million to operate the County's nearly 4,800 HPS streetlights in Fiscal Year 2015. The Department wishes to utilize more energy-efficient lamp types in streetlight fixtures to reduce expenditures. He noted light-emitting-diode ("LED") lamps show potential for cost savings while fulfilling the County's lighting requirements. The bill would allow the Department to further evaluate the use of LED lamps in streetlights and to identify a cost-effective strategy for replacing the existing HPS lamps.

Your Committee notes Section 20.35.060(B), Maui County Code, requires all streetlight fixtures be fully shielded by January 25, 2017.

COUNCIL OF THE COUNTY OF MAUI
INFRASTRUCTURE AND
ENVIRONMENTAL MANAGEMENT
COMMITTEE

Page 2

Committee
Report No. _____

The Director informed your Committee approximately 90 per cent of the County's streetlights are shielded. The Department requests additional time to shield the remaining streetlights because they are difficult to retrofit. In addition, it would not be worthwhile to shield the remaining streetlights if the County intends to replace the existing HPS lamps with a new lamp type.

Your Committee expressed concern a new lamp type may negatively impact the environment by increasing the amount of light that escapes into the atmosphere at night. The Director said the proposed bill would allow continued consideration of more energy- and cost-efficient lighting options in the County, and additional steps are needed before LED or other lamps could be installed countywide.

The Director noted amendments to the Department's administrative rules are required before any new lamp type is installed. Chapter 91, Hawaii Revised Statutes, governs the process for amending administrative rules, which provides opportunities for the public to comment on the impacts from a new lamp type.

Your Committee voted 5-0 to recommend passage of the proposed bill on first reading and filing of the communication. Committee Chair Cochran and members Baisa, Carroll, Crivello, and White voted "aye." Committee Vice-Chair Hokama and member Guzman were excused.

Your Committee is in receipt of a revised proposed bill, entitled "A BILL FOR AN ORDINANCE AMENDING THE OUTDOOR LIGHTING STANDARDS RELATING TO COMPLIANCE DEADLINES, SHIELDING REQUIREMENTS, AND USAGE RESTRICTIONS," approved as to form and legality by the Department of the Corporation Counsel, incorporating nonsubstantive revisions.

Your Infrastructure and Environmental Management Committee **RECOMMENDS** the following:

COUNCIL OF THE COUNTY OF MAUI
INFRASTRUCTURE AND
ENVIRONMENTAL MANAGEMENT
COMMITTEE

Page 3

Committee
Report No. _____

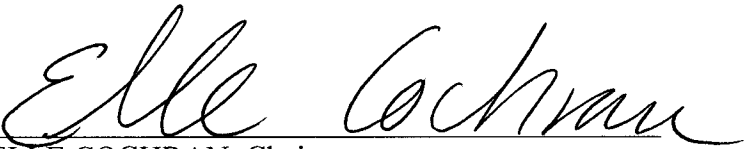
1. That Bill _____ (2015), as revised herein and attached hereto, entitled "A BILL FOR AN ORDINANCE AMENDING THE OUTDOOR LIGHTING STANDARDS RELATING TO COMPLIANCE DEADLINES, SHIELDING REQUIREMENTS, AND USAGE RESTRICTIONS," be PASSED ON FIRST READING and be ORDERED TO PRINT; and
2. That County Communication 15-18 be FILED.

COUNCIL OF THE COUNTY OF MAUI
**INFRASTRUCTURE AND
ENVIRONMENTAL MANAGEMENT
COMMITTEE**

Page 4

**Committee
Report No.** _____

This report is submitted in accordance with Rule 8 of the Rules of the Council.



ELLE COCHRAN, Chair

iem:cr:15003aa:jkm

ORDINANCE NO. _____

BILL NO. _____ (2015)

A BILL FOR AN ORDINANCE AMENDING THE OUTDOOR LIGHTING STANDARDS RELATING TO COMPLIANCE DEADLINES, SHIELDING REQUIREMENTS, AND USAGE RESTRICTIONS

BE IT ORDAINED BY THE PEOPLE OF THE COUNTY OF MAUI:

SECTION 1. Section 20.35.060, Maui County Code, is amended by amending subsection B to read as follows:

“B. All outdoor lighting fixtures that were legally installed before [the enactment of this ordinance] January 25, 2007 shall comply with section 20.35.090 [within ten years of the enactment of this ordinance. Fifty per cent of all class IV lighting fixtures under County control shall comply with section 20.35.090 within five years of the enactment of this ordinance. Existing] by January 1, 2020; except class III lighting fixtures that were legally installed before January 25, 2007 shall be exempt from section 20.35.090.”

SECTION 2. Section 20.35.090, Maui County Code, is amended to read as follows:

“20.35.090 Shielding requirements and usage [standards.] restrictions. Outdoor lighting fixtures shall conform to the following shielding requirements and usage restrictions:

Lamp Type	Shielding Requirement	Usage Restrictions
<i>Class I</i> Augmented monochromatic Low pressure sodium Metal halide All others	Fully shielded Fully shielded Partially shielded Fully shielded	None None Off from 11:00 p.m. to sunrise* None
<i>Class II</i> Augmented monochromatic Low pressure sodium All others (existing) All others (new)	Fully shielded Fully shielded Fully shielded Fully shielded	None None None None

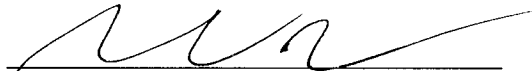
<i>Class III</i>		
Low pressure sodium	Fully shielded	None
High pressure sodium	Fully shielded	None
Neon	None	Off from 11:00 p.m. to sunrise*
Others	Fully shielded	None
Others	Partially shielded	Off from 11:00 p.m. to sunrise*
<i>Class IV</i>		
Existing	Fully shielded	None
Low pressure sodium	Fully shielded	None
High pressure sodium	Fully shielded	None
Others	Fully shielded	None

*These lights may be used between 11:00 p.m. and sunrise if business or recreational activities are taking place, but shall be turned off no later than one hour after conclusion of activities.”

SECTION 3. Material to be repealed is bracketed. New material is underscored. In printing this bill, the County Clerk need not include the brackets, bracketed material, or the underscoring.

SECTION 4. This ordinance shall take effect upon its approval.

APPROVED AS TO FORM
AND LEGALITY



MICHAEL J. HOPPER
Deputy Corporation Counsel
County of Maui

iem:misc:003abil01:jkm