

Department of Planning and Budget 2016 Fiscal Impact Statement

1. Bill Number: HB808

House of Origin	<input checked="" type="checkbox"/>	Introduced	<input type="checkbox"/>	Substitute	<input type="checkbox"/>	Engrossed
Second House	<input type="checkbox"/>	In Committee	<input type="checkbox"/>	Substitute	<input type="checkbox"/>	Enrolled

2. Patron: Bell, J.J.

3. Committee: General Laws

4. Title: Light-emitting diode (LED) use on outdoor lighting fixtures.

5. Summary: Requires any governmental agency that installs, replaces, or maintains an outdoor lighting fixture to use LEDs instead of traditional incandescent lighting when installing new outdoor lighting fixtures or replacing nonfunctioning bulbs on existing outdoor lighting fixtures. The bill also provides for the Department of General Services to include the requirement for the use of LED outdoor lighting fixtures in the agency's purchasing regulations.

6. Budget Amendment Necessary: No.

7. Fiscal Impact Estimates: Indeterminate; see Item 8 below.

8. Fiscal Implications: The fiscal impact is indeterminate, as there are many factors that affect lighting costs, such as lighting application, purchase price of the bulb, and the cost of energy.

Although light-emitting diode (LED) bulbs are often more expensive than incandescent bulbs, they also have a longer life expectancy and are more energy efficient. Therefore, they can provide a cost benefit in the long term in many lighting applications. According to Energy Saver (the U.S. Department of Energy's consumer resource on saving energy and using renewable energy technologies), LED bulbs typically use about 25 to 80 percent less energy than traditional incandescent bulbs and can last 3 to 25 times longer.

As an illustration, Energy Saver compared bulbs having similar light levels. The bulbs used were a 60 watt incandescent bulb and a 12 watt LED bulb. The findings indicated that the LED bulb's annual energy cost was approximately 80 percent less than the incandescent bulb. The LED's average life expectancy was also 25 times longer than the incandescent bulb, with the LED lasting approximately 25,000 hours on average compared to 1,000 hours for the incandescent bulb.

9. Specific Agency or Political Subdivisions Affected: All government agencies.

10. Technical Amendment Necessary: No.

11. Other Comments: None.