

199—36.8 (476) Exterior flood lighting.

36.8(1) *Newly installed lighting.* All newly installed public utility-owned exterior flood lighting shall be high-pressure sodium lighting or lighting with equivalent or better energy efficiency.

36.8(2) *In-service lighting replacement schedule.* In-service lighting shall be replaced with high-pressure sodium lighting or lighting with equivalent or better energy efficiency when worn out due to ballast or fixture failure for any other reason, such as vandalism or storm damage. Each utility shall file with the board as part of its annual report required in 199—Chapter 23 a report stating progress to date in converting to high-pressure sodium lighting or lighting with equivalent or higher energy efficiency.

36.8(3) *Efficiency standards.* Lighting other than high-pressure sodium has equivalent or better energy efficiency if one or more of the following can be established:

- a.* For lamps less than 120 watts, the lumens-per-watt lamp rating is greater than 77.1, or
- b.* For lamps between 120 and 500 watts, the lumens-per-watt lamp rating is greater than 96, or
- c.* For lamps greater than 500 watts, the lumens-per-watt lamp rating is greater than 126, or
- d.* The new lighting uses no more energy per installation than comparable, suitably sized high-pressure sodium lighting, or
- e.* The new lighting consists of solid-state lighting (SSL) luminaries that have an efficacy rating equal to or greater than 66 lumens per watt according to a Department of Energy (DOE) Lighting Facts label, testing under the DOE Commercially Available LED Product Evaluation and Reporting Program (CALiPER), or any other test that follows Illuminating Engineering Society of North America LM-79-08 test procedures.

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