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Senate Engrossed

State of Arizona
Senate
Forty-sixth Legislature
First Regular Session
2003

SENATE BILL 1218

AN ACT

AMENDING TITLE 9, CHAPTER 4, ARTICLE 8, ARIZONA REVISED STATUTES, BY ADDING SECTION 9-499.11; AMENDING TITLE 34, CHAPTER 4, ARIZONA REVISED STATUTES, BY ADDING ARTICLE 5; AMENDING SECTION 49-1102, ARIZONA REVISED STATUTES; RELATING TO LIGHTING STANDARDS.

(TEXT OF BILL BEGINS ON NEXT PAGE)

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1 Be it enacted by the Legislature of the State of Arizona:

2 Section 1. Title 9, chapter 4, article 8, Arizona Revised Statutes, is
3 amended by adding section 9-499.11, to read:

4 9-499.11. Lighting standards for municipal buildings; life
5 cycle costing; evaluation standards; shielding

6 A. A CITY OR TOWN WITH A POPULATION OF FIFTY THOUSAND OR MORE PERSONS
7 SHALL PROVIDE FOR EFFICIENT AND EFFECTIVE LIGHTING SYSTEMS FOR NEW
8 CONSTRUCTION AND MAJOR RENOVATIONS OF MUNICIPAL BUILDINGS, STRUCTURES,
9 FACILITIES AND AREAS AS DETERMINED BY AN EVALUATION BASED ON THE ILLUMINATING
10 ENGINEERING SOCIETY OF NORTH AMERICA LIGHTING HANDBOOK AND RECOMMENDED
11 PRACTICES.

12 B. LIFE CYCLE COSTS AS DEFINED IN SECTION 34-454 SHALL BE USED TO
13 EVALUATE THE DESIGN, EQUIPMENT AND MATERIALS THAT ARE CONSIDERED PURSUANT TO
14 SUBSECTION A OF THIS SECTION.

15 C. ALL OUTDOOR LIGHT FIXTURES THAT ARE OWNED AND OPERATED BY A CITY OR
16 TOWN AND THAT ARE SUBJECT TO THE REQUIREMENTS OF SUBSECTION A OF THIS SECTION
17 SHALL BE FULLY SHIELDED AS DEFINED IN SECTION 49-1101, EXCEPT THAT OUTDOOR
18 LIGHT FIXTURES FOR A MUNICIPAL RECREATIONAL AREA OR MUNICIPAL SPORTS FACILITY
19 SHALL BE FULLY OR PARTIALLY SHIELDED AS DEFINED IN SECTION 49-1101. THIS
20 SUBSECTION DOES NOT APPLY TO THOSE OUTDOOR LIGHT FIXTURES THAT ARE NOT
21 REQUIRED TO BE SHIELDED PURSUANT TO SECTION 49-1102.

22 Sec. 2. Title 34, chapter 4, Arizona Revised Statutes, is amended by
23 adding article 5, to read:

24 ARTICLE 5. LIGHTING STANDARDS FOR STATE

25 34-471. Lighting standards for state buildings; life cycle
26 costing; evaluation standards; shielding

27 A. ALL NEW STATE CAPITAL PROJECTS AS DEFINED IN SECTION 41-790,
28 INCLUDING BUILDINGS DESIGNED AND CONSTRUCTED BY THE DEPARTMENT OF
29 ADMINISTRATION, THE DEPARTMENT OF TRANSPORTATION, COMMUNITY COLLEGE DISTRICTS
30 AND UNIVERSITIES AND MAJOR RENOVATIONS FOR THOSE ENTITIES INVOLVING LIGHTING
31 SYSTEMS, SHALL INCLUDE EFFICIENT AND EFFECTIVE LIGHTING SYSTEMS AS DETERMINED
32 BY AN EVALUATION BASED ON THE ILLUMINATING ENGINEERING SOCIETY OF NORTH
33 AMERICA LIGHTING HANDBOOK AND RECOMMENDED PRACTICES.

34 B. LIFE CYCLE COSTS AS DEFINED IN SECTION 34-454 SHALL BE USED TO
35 EVALUATE THE DESIGN, EQUIPMENT AND MATERIALS THAT ARE CONSIDERED PURSUANT TO
36 SUBSECTION A OF THIS SECTION.

37 C. ALL OUTDOOR LIGHT FIXTURES THAT ARE OWNED AND OPERATED BY THIS
38 STATE AND THAT ARE SUBJECT TO THE REQUIREMENTS OF SUBSECTION A OF THIS
39 SECTION SHALL BE FULLY SHIELDED AS DEFINED IN SECTION 49-1101, EXCEPT THAT
40 OUTDOOR LIGHT FIXTURES THAT ARE USED TO ILLUMINATE SPORTS FACILITIES THAT ARE
41 USED BY AN EDUCATIONAL INSTITUTION SHALL BE FULLY OR PARTIALLY SHIELDED AS
42 DEFINED IN SECTION 49-1101. THIS SUBSECTION DOES NOT APPLY TO THOSE OUTDOOR
43 LIGHT FIXTURES THAT ARE NOT REQUIRED TO BE SHIELDED PURSUANT TO SECTION
44 49-1102.

1 34-472. Exemptions

2 THIS ARTICLE DOES NOT APPLY TO:

3 1. ANY COUNTY, CITY OR TOWN.

4 2. PROGRAMS, PROJECTS OR IMPROVEMENTS OF THE STATE TRANSPORTATION
5 BOARD RELATING TO THE CONSTRUCTION, RECONSTRUCTION, IMPROVEMENT OR
6 MAINTENANCE OF STATE HIGHWAYS OR BRIDGES AND INTERSTATE SYSTEM HIGHWAYS.

7 3. CONSTRUCTION OR MAJOR RENOVATION OF THE STATE CAPITOL BUILDING AS
8 DEFINED IN SECTION 41-790.

9 Sec. 3. Section 49-1102, Arizona Revised Statutes, is amended to read:

10 49-1102. Shielding of outdoor light fixtures; exemption

11 A. All outdoor light fixtures shall be fully or partially shielded
12 except incandescent fixtures of one hundred fifty watts or less and other
13 sources of seventy watts or less. Streetlight fixtures are exempt from this
14 requirement if the shielding is not available from the manufacturer.

15 B. THIS SECTION DOES NOT APPLY TO EMERGENCY LIGHTING THAT IS USED BY
16 POLICE, FIRE FIGHTERS, CORRECTIONAL PERSONNEL OR MEDICAL PERSONNEL AND THAT
17 IS IN OPERATION AS LONG AS THE EMERGENCY EXISTS.