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	REFERENCE TITLE: state buildings; solar standards

	State of Arizona
	House of Representatives
	Forty-sixth Legislature
	Second Regular Session
	2004

	HB 2528

	Introduced by
	Representatives Boone, Clark, Graf, Senator Mitchell

AN ACT

AMENDING SECTION 34-452, ARIZONA REVISED STATUTES; RELATING TO STATE BUILDINGS.

(TEXT OF BILL BEGINS ON NEXT PAGE)

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

Section 1. Section 34-452, Arizona Revised Statutes, is amended to read:

34-452. Solar design standards for state buildings; energy life cycle costing

A. Capital projects as defined in section 41-790 including buildings **THAT ARE** designed and constructed by the department of administration, school districts, community college districts and universities **AND SCHOOL FACILITIES BOARD PROJECTS THAT ARE DESIGNED AND CONSTRUCTED PURSUANT TO SECTIONS 15-2011 AND 15-2031** and containing over six thousand square feet shall include a written evaluation of the following solar energy features:

1. Proper site orientation.
2. Utilization of active and passive solar energy systems for space heating.
3. Utilization of solar water heating.

4. Utilization of solar daylighting devices as defined in section 44-1761.

B. Energy life cycle costing shall be used to evaluate all solar energy and energy conservation design, equipment and materials that are considered for constructing new state buildings and in the scheduled remodeling of existing state buildings. Solar energy and energy conservation design, equipment and materials shall be used if the simple payback is eight years or less. If the useful life of a product is less than eight years, the simple payback ~~shall be~~ IS equal to or less than the useful life of the product.

C. ENERGY LIFE CYCLE COSTING SHALL BE USED TO EVALUATE ALL SOLAR WATER HEATING AND WATER COOLING FACILITIES. SOLAR WATER HEATING AND WATER COOLING FACILITIES SHALL BE USED IF THE SIMPLE PAYBACK IS TWELVE YEARS OR LESS. IF THE USEFUL LIFE OF A PRODUCT IS LESS THAN TWELVE YEARS, THE SIMPLE PAYBACK IS EQUAL TO OR LESS THAN THE USEFUL LIFE OF THE PRODUCT.

D. ALL SOLAR PHOTOVOLTAIC PROJECTS THAT ARE DESIGNED TO PROVIDE ELECTRICITY TO SUPPLANT TRADITIONAL POWER SOURCES ARE EXEMPT FROM THE SIMPLE PAYBACK REQUIREMENTS OF THIS SECTION.

~~C.~~ E. The department of commerce energy office shall:

1. For each of the ~~eight~~ fiscal years after completion of the ~~project~~ PROJECTS THAT WERE SUBJECT TO SUBSECTION B OR C OF THIS SECTION, determine energy and cost avoidance for solar energy and energy conservation design, equipment and materials installed in state buildings, using monitoring verification standards that are accepted by the United States department of energy. Energy and cost avoidance amounts shall be based on preinstallation or preconstruction baseline energy usage versus energy usage after solar and other energy and resource efficient design, materials or equipment are incorporated into the state building.

2. ~~Prior to~~ BEFORE calculating the energy and cost avoidance amounts, present its methodology for doing so to the joint legislative budget committee for review.

3. Report the amount determined in paragraph 1 of this subsection to the governor's office of strategic planning and budgeting and the joint legislative budget committee.

~~D.~~ F. The legislature shall appropriate from the fund or funds from which the maintenance and operation budget is derived the amount of the annual cost avoidance for each of the ~~first eight~~ fiscal years after completion of the ~~project~~ PROJECTS THAT WERE SUBJECT TO SUBSECTION B OR C OF THIS SECTION as follows:

1. Until the amount of the cumulative annual cost avoidance is equal to the simple payback, no money shall be appropriated.

2. When the amount of the cumulative annual cost avoidance is greater than the simple payback, the appropriation is as follows:

(a) Forty per cent to the budget unit that operates the building to be used in the next fiscal year either to procure energy related equipment, supplies, disposal costs and capital improvements approved by the chief administrative officer of the agency or agencies and consistent with state and federal law or for purposes of any of the budget unit's programs as prescribed by law.

(b) Twenty per cent to the department of commerce for use by the energy office for verification and monitoring of energy conservation measures, project identification and implementation technical assistance.

~~E.~~ G. The amounts prescribed by subsection ~~D-F~~ of this section are intended to supplement and not supplant any appropriation for energy conservation projects. These amounts shall be identified by A footnote or other designation in the budget process as resulting from energy saving projects.