

COMMITTEE ON COUNTIES, MUNICIPALITIES AND MILITARY AFFAIRS

HOUSE OF REPRESENTATIVES AMENDMENTS TO H.B. 2615

(Reference to printed bill)

1 Strike everything after the enacting clause and insert:

2 "Section 1. Title 9, chapter 4, article 6.4, Arizona Revised Statutes,  
3 is amended by adding section 9-468, to read:

4 9-468. Solar construction permits; standards

5 A. MUNICIPALITIES SHALL ADOPT THE FOLLOWING STANDARDS FOR ISSUING  
6 PERMITS FOR THE USE OF CERTAIN SOLAR ENERGY DEVICES:

7 1. FOR SINGLE-FAMILY RESIDENTIAL CONSTRUCTION WITH SOLAR PHOTOVOLTAIC  
8 SYSTEMS THAT ARE INTENDED TO CONNECT TO A UTILITY SYSTEM, THE FOLLOWING  
9 APPLY:

10 (a) THE LOCATION OF THE PHOTOVOLTAIC SYSTEM INSTALLATION SHALL BE  
11 INDICATED ON THE CONSTRUCTION PLANS, INCLUDING THE ROOF PLAN AND ELEVATION.

12 (b) PHOTOVOLTAIC PANEL MOUNTING DETAILS SHALL BE INCLUDED IN THE  
13 INSTALLATION PLANS.

14 (c) THE ELECTRICAL DIAGRAMS SHALL INCLUDE ONE-LINE AND THREE-LINE  
15 DIAGRAMS.

16 (d) FOR DIRECT CURRENT TO ALTERNATING CURRENT CONVERSIONS, THE CUT  
17 SHEET AND LISTINGS FOR INVERTERS SHALL BE INCLUDED IN THE PLANS.

18 (e) CONSTRUCTION PLAN NOTES SHALL REQUIRE THAT THE INSTALLATION BE  
19 COMPLETED IN COMPLIANCE WITH STANDARD 690 OF A NATIONAL ELECTRICAL CODE AND  
20 THAT WARNING SIGNS SHALL COMPLY WITH STANDARDS OF A NATIONAL ELECTRICAL CODE.

21 (f) NO MUNICIPALITY SHALL REQUIRE A STAMP FROM A PROFESSIONAL ENGINEER  
22 FOR A SINGLE FAMILY RESIDENTIAL SOLAR PHOTOVOLTAIC SYSTEM UNTIL AFTER THE  
23 PLAN REVIEW HAS BEEN PERFORMED AND IT HAS BEEN DEEMED NECESSARY THAT AN  
24 ENGINEERING STAMP IS REQUIRED. IN THE EVENT THAT AN ENGINEERING STAMP IS  
25 CALLED FOR THE MUNICIPALITY SHALL PROVIDE THE PERMITEE A WRITTEN EXPLANATION  
26 OF WHY THE ENGINEERING STAMP IS NECESSARY.

27 2. FOR SINGLE FAMILY RESIDENTIAL SOLAR WATER HEATING SYSTEMS, THE  
28 FOLLOWING APPLY:

29 (a) THE LOCATION OF THE SOLAR PANEL SYSTEM SHALL BE INDICATED ON THE  
30 CONSTRUCTION PLANS, INCLUDING THE ROOF PLAN AND ELEVATION, AND SHALL INCLUDE  
31 MOUNTING DETAILS FOR PANEL INSTALLATION.

32 (b) CONSTRUCTION PLAN NOTES SHALL INCLUDE A REQUIREMENT THAT SOLAR  
33 WATER HEATING EQUIPMENT BE INSTALLED IN COMPLIANCE WITH APPLICABLE PLUMBING

1 CODES AND AS PRESCRIBED BY A SOLAR RATING AND CERTIFICATION CORPORATION AND  
2 ANY GUIDELINES ADOPTED BY THIS STATE.

3 (c) NO MUNICIPALITY SHALL REQUIRE A STAMP FROM A PROFESSIONAL ENGINEER  
4 FOR A SINGLE FAMILY RESIDENTIAL SOLAR PHOTOVOLTAIC SYSTEM UNTIL AFTER THE  
5 PLAN REVIEW HAS BEEN PERFORMED AND IT HAS BEEN DEEMED NECESSARY THAT AN  
6 ENGINEERING STAMP IS REQUIRED. IN THE EVENT THAT AN ENGINEERING STAMP IS  
7 CALLED FOR THE MUNICIPALITY SHALL PROVIDE THE PERMITEE A WRITTEN EXPLANATION  
8 OF WHY THE ENGINEERING STAMP IS NECESSARY.

9 3. ANY BUILDING OR PERMIT FEE OR CHARGE ASSESSED BY A CITY OR TOWN  
10 RELATING TO A SOLAR ENERGY PRODUCT MUST BE ATTRIBUTABLE TO AND DEFRAY OR  
11 COVER THE EXPENSE OF THE PRODUCT OR SERVICE FOR WHICH THE FEE OR CHARGE IS  
12 ASSESSED. A FEE OR CHARGE SHALL NOT EXCEED THE ACTUAL COST OF THE PRODUCT OR  
13 SERVICE, AND A WRITTEN, ITEMIZED LIST OF THE INDIVIDUAL COSTS ASSOCIATED WITH  
14 THE PERMIT FEE SHALL BE PROVIDED AT THE REQUEST OF THE PERMITEE.

15 B. BEFORE ADOPTION OF A FEE FOR SERVICE OR AN ADDITIONAL OR SEPARATE  
16 CHARGE PURSUANT TO THIS SECTION, A CITY OR TOWN SHALL HOLD A PUBLIC HEARING  
17 ON THE ISSUE WITH AT LEAST FIFTEEN DAYS PUBLISHED NOTICE.

18 C. THE METHOD BY WHICH A CITY OR TOWN ARRIVES AT AN ASSESSED PERMIT OR  
19 PLAN FEE MUST BE PUBLISHED AND MADE AVAILABLE TO THE PUBLIC.

20 Sec. 2. Title 11, chapter 2, article 9, Arizona Revised Statutes, is  
21 amended by adding section 11-323, to read:

22 11-323. Solar construction permits; standards

23 A. COUNTIES SHALL ADOPT THE FOLLOWING STANDARDS FOR ISSUING PERMITS  
24 FOR THE USE OF CERTAIN SOLAR ENERGY DEVICES:

25 1. FOR SINGLE-FAMILY RESIDENTIAL CONSTRUCTION WITH SOLAR PHOTOVOLTAIC  
26 SYSTEMS THAT ARE INTENDED TO CONNECT TO A UTILITY SYSTEM, THE FOLLOWING  
27 APPLY:

28 (a) THE LOCATION OF THE PHOTOVOLTAIC SYSTEM INSTALLATION SHALL BE  
29 INDICATED ON THE CONSTRUCTION PLANS, INCLUDING THE ROOF PLAN AND ELEVATION.

30 (b) PHOTOVOLTAIC PANEL MOUNTING DETAILS SHALL BE INCLUDED IN THE  
31 INSTALLATION PLANS.

32 (c) THE ELECTRICAL DIAGRAMS SHALL INCLUDE ONE-LINE AND THREE-LINE  
33 DIAGRAMS.

34 (d) FOR DIRECT CURRENT TO ALTERNATING CURRENT CONVERSIONS, THE CUT  
35 SHEET AND LISTINGS FOR INVERTERS SHALL BE INCLUDED IN THE PLANS.

1 (e) CONSTRUCTION PLAN NOTES SHALL REQUIRE THAT THE INSTALLATION BE  
2 COMPLETED IN COMPLIANCE WITH STANDARD 690 OF A NATIONAL ELECTRICAL CODE AND  
3 THAT WARNING SIGNS SHALL COMPLY WITH STANDARDS OF A NATIONAL ELECTRICAL CODE.

4 (f) NO COUNTY SHALL REQUIRE A STAMP FROM A PROFESSIONAL ENGINEER FOR A  
5 SINGLE FAMILY RESIDENTIAL SOLAR PHOTOVOLTAIC SYSTEM UNTIL AFTER THE PLAN  
6 REVIEW HAS BEEN PERFORMED AND IT HAS BEEN DEEMED NECESSARY THAT AN  
7 ENGINEERING STAMP IS REQUIRED. IN THE EVENT THAT AN ENGINEERING STAMP IS  
8 CALLED FOR THE COUNTY SHALL PROVIDE THE PERMITEE A WRITTEN EXPLANATION OF WHY  
9 THE ENGINEERING STAMP IS NECESSARY.

10 2. FOR SINGLE FAMILY RESIDENTIAL SOLAR WATER HEATING SYSTEMS, THE  
11 FOLLOWING APPLY:

12 (a) THE LOCATION OF THE SOLAR PANEL SYSTEM SHALL BE INDICATED ON THE  
13 CONSTRUCTION PLANS, INCLUDING THE ROOF PLAN AND ELEVATION, AND SHALL INCLUDE  
14 MOUNTING DETAILS FOR PANEL INSTALLATION.

15 (b) CONSTRUCTION PLAN NOTES SHALL INCLUDE A REQUIREMENT THAT SOLAR  
16 WATER HEATING EQUIPMENT BE INSTALLED IN COMPLIANCE WITH APPLICABLE PLUMBING  
17 CODES AND AS PRESCRIBED BY A SOLAR RATING AND CERTIFICATION CORPORATION AND  
18 ANY GUIDELINES ADOPTED BY THIS STATE.

19 (c) NO COUNTY SHALL REQUIRE A STAMP FROM A PROFESSIONAL ENGINEER FOR A  
20 SINGLE FAMILY RESIDENTIAL SOLAR PHOTOVOLTAIC SYSTEM UNTIL AFTER THE PLAN  
21 REVIEW HAS BEEN PERFORMED AND IT HAS BEEN DEEMED NECESSARY THAT AN  
22 ENGINEERING STAMP IS REQUIRED. IN THE EVENT THAT AN ENGINEERING STAMP IS  
23 CALLED FOR THE COUNTY SHALL PROVIDE THE PERMITEE A WRITTEN EXPLANATION OF WHY  
24 THE ENGINEERING STAMP IS NECESSARY.

25 B. ANY BUILDING OR PERMIT FEE OR CHARGE ASSESSED BY A CITY OR TOWN  
26 RELATING TO A SOLAR ENERGY PRODUCT MUST BE ATTRIBUTABLE TO AND DEFRAY OR  
27 COVER THE EXPENSE OF THE PRODUCT OR SERVICE FOR WHICH THE FEE OR CHARGE IS  
28 ASSESSED. A FEE OR CHARGE SHALL NOT EXCEED THE ACTUAL COST OF THE PRODUCT OR  
29 SERVICE, AND A WRITTEN, ITEMIZED LIST OF THE INDIVIDUAL COSTS ASSOCIATED WITH  
30 THE PERMIT FEE SHALL BE PROVIDED AT THE REQUEST OF THE PERMITEE.

31 C. BEFORE ADOPTION OF A FEE FOR SERVICE OR AN ADDITIONAL OR SEPARATE  
32 CHARGE PURSUANT TO THIS SECTION, A COUNTY SHALL HOLD A PUBLIC HEARING ON THE  
33 ISSUE WITH AT LEAST FIFTEEN DAYS PUBLISHED NOTICE.

34 D. THE METHOD BY WHICH A COUNTY ARRIVES AT AN ASSESSED PERMIT OR PLAN  
35 FEE MUST BE PUBLISHED AND MADE AVAILABLE TO THE PUBLIC.

1 E. PERMIT FEES AND THE PERMIT PROCESS FOR INSTALLATION OF SOLAR WATER  
2 HEATING SYSTEMS SHALL BE SUBSTANTIALLY SIMILAR TO THOSE FOR A DOMESTIC WATER  
3 HEATER REPLACEMENT THAT IS NOT A SOLAR ENERGY DEVICE.

4 Section 3. Local government solar equipment permit process  
5 improvement study committee; purpose; membership;  
6 report

7 A. The local government solar equipment permit process improvement  
8 study committee is established consisting of the following members:

9 1. Three members of the house of representatives who are appointed by  
10 the speaker of the house of representatives, not more than two of whom are  
11 members of the same political party. The speaker of the house of  
12 representatives shall designate one of these members to serve as  
13 cochairperson of the committee.

14 2. Three members of the senate who are appointed by the president of  
15 the senate, not more than two of whom are members of the same political  
16 party. The president of the senate shall designate one of these members to  
17 serve as cochairperson of the committee.

18 3. Three members representing Arizona cities and towns as follows:

19 (a) One member representing a city with a population over five hundred  
20 thousand persons.

21 (b) One member representing a city with a population over forty  
22 thousand but less than five hundred thousand persons.

23 (c) One member representing a city or town with a population less than  
24 40,000 persons.

25 4. Three members representing Arizona counties as follows:

26 (a) One member representing a county with a population of one million  
27 or more persons.

28 (b) One member representing a county with a population over one hundred  
29 thousand but less than one million persons.

30 (c) One member representing a county with a population of less than one  
31 hundred thousand persons.

32 5. Two members representing the utility industry.

33 6. Two members representing the solar energy industry.

34 7. Two members representing the homebuilding industry.

1           B. The committee shall collect information on and consider the  
2 following issues:

3           1. Best practices regarding local government permitting standards and  
4 permitting fees associated with solar energy features.

5           2. Removing barriers in the permitting and inspection process to  
6 successful development and use of solar energy.

7           C. The committee shall make a final report of its findings and  
8 recommendations to the governor, the president of the senate, and the speaker  
9 of the house of representatives, by December 31, 2009 and shall provide a  
10 copy of this report to the director of the Arizona state library, archives,  
11 and public records and any member of the public who requests a copy.

12           Sec 4. Delayed repeal

13           This act is repealed from and after December 31, 2009."

14 Amend title to conform

and, as so amended, it do pass

JOHN B. NELSON  
Chairman

2615-se-cmma  
3/4/08  
H:jmb