

PROPOSED TAG MODIFICATIONS TO THE 2012 FIRE CODE

RE: SOLAR PV SYSTEM REQUIREMENTS

Model Code/Section 105.7.13

105.7.13 Solar photovoltaic power systems. A construction permit is required to install or modify solar photovoltaic power systems.

- **Option – Herman:**

105.7.13 Solar photovoltaic power systems. A construction permit (not necessarily a building permit) is required to install or modify solar photovoltaic power systems.

Model Code/Section 605.11

605.11 Solar photovoltaic power systems. Solar photovoltaic power systems shall be installed in accordance with Sections 605.11.1 through 605.11.4, the *International Building Code* and NFPA 70.

Exception: Detached, nonhabitable Group U structures including, but not limited to, parking shade structures, carports, solar trellises, and similar structures shall not be subject to the requirements of this section.

- **Option - Herman**

Exception: Detached, non-habitable Group U structures including, but not limited to, parking shade structures, garages, barns, shops, carports, solar trellises and similar structures shall not be subject to the requirements of this section.

- **Option - Kozin**

Exception: Detached, nonhabitable Group U structures including, but not limited to, parking shade structures, carports, solar trellises, and similar structures shall not be subject to the requirements of ~~this sections~~ 605.11.2 through 605.11.3.3.3.

- **Option - Randall**

Exception: Detached, nonhabitable Group U structures including, but not limited to, parking shade structures, carports, solar trellises, accessory structures to a residence (such as a detached shop, barn, or garage) and similar structures shall not be subject to the requirements of this section.

- **Option - Teran**

605.11 Solar photovoltaic power systems. Installation of new and existing solar photovoltaic power systems shall comply with this section. Due to the emerging technologies in the solar photovoltaic industry, it is understood fire code officials may need to amend prescriptive requirements of this section to meet the requirements for firefighter access and product installations. Section 104.9 Alternative materials and methods of this code shall be considered when approving the installation of solar photovoltaic power systems. Solar photovoltaic power systems shall be installed in accordance with Sections 605.11.1 through 605.11.4, the *International Building Code* and NFPA 70.

Exception: Detached, non-habitable Group U structures including, but not limited to, parking shade structures, carports, solar trellises and similar structures shall not be subject to the requirements of this section.

PROPOSED TAG MODIFICATIONS TO THE 2012 FIRE CODE

RE: SOLAR PV SYSTEM REQUIREMENTS

- **Option – Westfall/Stuart**

Exception: Detached, nonhabitable Group U structures including, but not limited to, parking shade structures, carports, solar trellises, and similar structures shall not be subject to the requirements of sections 605.11.2 through 605.11.3.3.3.

Model Code/Section 605.11.1

605.11.1 Marking.

Marking is required on interior and exterior direct-current (DC) conduit, enclosures, raceways, cable assemblies, junction boxes, combiner boxes and disconnects.

605.11.1.1 Materials.

The materials used for marking shall be reflective, weather resistant and suitable for the environment. Marking as required in Sections 605.11.1.2 through 605.11.1.4 shall have all letters capitalized with a minimum height of $\frac{3}{8}$ inch (9.5 mm) white on red background.

605.11.1.2 Marking content.

The marking shall contain the words "**WARNING: PHOTOVOLTAIC POWER SOURCE.**"

- **Option – (Most TAG members)**

605.11.1.2 Marking content.

The marking shall contain the words "**WARNING: PHOTOVOLTAIC POWER SOURCE.**"

Model Code/Section 605.11.1.3

(NO PROPOSED MODIFICATIONS TO THIS SECTION)

605.11.1.3 Main service disconnect.

The marking shall be placed adjacent to the main service disconnect in a location clearly visible from the location where the disconnect is operated.

605.11.1.4 Location of marking.

Marking shall be placed on interior and exterior DC conduit, raceways, enclosures and cable assemblies every 10 feet (3048 mm), within 1 foot (305 mm) of turns or bends and within 1 foot (305 mm) above and below penetrations of roof/ceiling assemblies, walls or barriers.

Model Code/Section 605.11.2

605.11.2 Locations of DC conductors.

Conduit, wiring systems, and raceways for photovoltaic circuits shall be located as close as possible to the ridge or hip or valley and from the hip or valley as directly as possible to an outside wall to reduce trip hazards and maximize ventilation opportunities. Conduit runs between sub arrays and to DC combiner boxes shall be installed in a manner that minimizes the total amount of conduit on the roof by taking the shortest path from the array to the DC combiner box. The DC combiner boxes shall be located such that conduit runs are minimized in the pathways between arrays. DC wiring shall be installed in metallic conduit or raceways when located within enclosed spaces in a building. Conduit shall run along the bottom of load bearing members.

PROPOSED TAG MODIFICATIONS TO THE 2012 FIRE CODE

RE: SOLAR PV SYSTEM REQUIREMENTS

- Option – Herman

605.11.2 Locations of DC conductors.

Conduit, wiring systems, and raceways for photovoltaic circuits shall be located as close as possible to the ridge or hip or valley and from the hip or valley as directly as possible to an outside wall to reduce trip hazards and maximize ventilation opportunities. Conduit runs between sub arrays and to DC combiner boxes shall be installed in a manner that minimizes the total amount of conduit on the roof by taking the shortest path from the array to the DC combiner box. The DC combiner boxes shall be located such that conduit runs are minimized in the pathways between arrays. DC wiring shall be installed in metallic conduit or raceways when located within enclosed spaces in a building. Conduit shall run along the bottom or side of load bearing members.

- Option - Kozin

605.11.2 Locations of DC conductors. Conduit, wiring systems, and raceways for photovoltaic circuits shall be located as close as possible to the ridge or hip or valley and from the hip or valley as directly as possible to an outside wall to reduce trip hazards and maximize ventilation opportunities. Conduit runs between sub arrays and to DC combiner boxes shall be installed in a manner that minimizes the total amount of conduit on the roof by taking the shortest path from the array to the DC combiner box. The DC combiner boxes shall be located such that conduit runs are minimized in the pathways between arrays. DC wiring shall be installed in metallic conduit or raceways when located within enclosed spaces in a building. ~~Conduit shall be run along the bottom of load bearing members.~~ Placement of conduit shall be in compliance with NFPA 70.

- Option - Randall

605.11.2 Roof Accessibility Plan – Pitched roofs.

A plan shall be prepared showing how each building equipped with a rooftop solar PV system can be accessed by fire personnel. Each plan will provide:

1. A drawing and/or photos indicating solar and non-solar roofs and indicating:
 - a. The location and areas to be covered by solar modules including building integrated solar modules, and
 - b. The location of inverter(s), AC and DC disconnects, and metering.
 - c. Areas appropriate roof access points including where fire department ground ladders can be deployed.
 - d. Available areas for roof ventilation and alternative ventilation (e.g. – horizontal through exterior walls, windows, or doors) where the entire roof area will be covered with solar modules.

Exceptions:

1. The requirements for the fire plan can be modified or waived by the fire chief where it is determined that vertical ventilation techniques will not be employed.
2. Buildings under 10,000 s.f. in size where the solar array will cover less than 40% of the roof area over any floor will not be required to provide a plan and are presumed to provide reasonable roof fire access and ventilation opportunities.
3. Solar arrays consisting of building integrated components are not subject to the access requirements as they are not a barrier to access.

PROPOSED TAG MODIFICATIONS TO THE 2012 FIRE CODE

RE: SOLAR PV SYSTEM REQUIREMENTS

Model Code/Section 605.11.3

605.11.3 Access and pathways.

Roof access, pathways, and spacing requirements shall be provided in accordance with Sections 605.11.3.1 through 605.11.3.3.3.

Exceptions:

1. Residential structures shall be designed so that each photovoltaic array is no greater than 150 feet (45 720 mm) by 150 feet (45 720 mm) in either axis.
2. Panels/modules shall be permitted to be located up to the roof ridge where an alternative ventilation method approved by the fire chief has been provided or where the fire chief has determined vertical ventilation techniques will not be employed.

- **Option – Herman**

605.11.3 Access and pathways. Roof access, pathways, and spacing requirements shall be ~~provided~~ considered to facilitate fire fighting operations on the roof.

Exceptions:

1. Structures shall be designed so that each photovoltaic array is no greater than 150 feet (45 720 mm) by 150 feet (45 720 mm) in either axis.
2. Panels/modules shall be permitted to be located up to the roof ridge where an alternative ventilation method approved by the fire chief has been provided or where the fire chief has determined vertical ventilation techniques will not be employed.

- **Option – Kozin**

605.11.3 Access and pathways. Roof access, pathways, and spacing requirements shall be provided in accordance with Sections 605.11.3.1 through 605.11.3.3.3 in order to facilitate fire fighting operations on the roof.

Exceptions:

Roof access, pathways, and spacing requirements need not be provided if any of the following conditions are met:

- ~~1. Structures shall be designed so that each photovoltaic array is no greater than 150 feet (45 720 mm) by 150 feet (45 720 mm) in either axis.~~
- ~~2. Panels/modules shall be permitted to be located up to the roof ridge where an alternative ventilation method approved by the fire chief has been provided or where the fire chief has determined vertical ventilation techniques will not be employed.~~

1. Where an alternative ventilation method approved by the fire chief has been provided.
2. Where the fire chief has determined vertical ventilation techniques will not be employed.
3. Where a residential building is equipped with a sprinkler system.
4. Where at least one roof surface of a residential building does not contain any solar modules directly above, and does not contain any conduit or wires directly below, and is safely accessible from the ground, and provides an area of at least 6 feet (1829 mm) by 6 feet (1829 mm) from the ridge to facilitate ventilation techniques.

PROPOSED TAG MODIFICATIONS TO THE 2012 FIRE CODE

RE: SOLAR PV SYSTEM REQUIREMENTS

- **Option - Spring**

605.11.3 Access and pathways. Roof access, pathways, and spacing requirements shall be provided in accordance with Sections 605.11.3.1 through 605.11.3.3.3.

Roof access, pathways, and spacing requirements shall be provided to facilitate fire fighting operations on the roof.

Exceptions:

1. Structures shall be designed so that each photovoltaic array is no greater than 150 feet (45 720 mm) by 150 feet (45 720 mm) in either axis.

2. Panels/modules shall be permitted to be located up to the roof ridge where an alternative ventilation method approved by the fire chief has been provided or where the fire chief has determined vertical ventilation techniques will not be employed.

3. Building integrated solar products manufactured as a building material (examples: roofing, siding or glazing) shall be allowed when fabricated in accordance with the applicable building material standards.

- **Option – Westfall/Stuart**

605.11.3 Access and pathways. Roof access, pathways, and spacing requirements shall be provided in accordance with Sections 605.11.3.1 through 605.11.3.3.3.

Roof access, pathways, and spacing requirements shall be provided to facilitate fire fighting operations on the roof.

Exceptions:

1. Structures shall be designed so that each photovoltaic array is no greater than 150 feet (45 720 mm) by 150 feet (45 720 mm) in either axis.

2. Panels/modules shall be permitted to be located up to the roof ridge where an alternative ventilation method approved by the fire ~~chief~~ code official has been provided or where the fire ~~chief~~ code official has determined vertical ventilation techniques will not be employed.

Model Code/Section 605.11.3.1

605.11.3.1 Roof access points.

Roof access points shall be located in areas that do not require the placement of ground ladders over openings such as windows or doors, and located at strong points of building construction in locations where the access point does not conflict with overhead obstructions such as tree limbs, wires, or signs.

- **Option – Kokot (Herman, Nelson, Kozin, Randall, Spring)**

605.11.3.1 Roof access points. Roof access points shall be located in areas that take into account ~~do not require~~ the placement of Fire Department ground ladders over openings such as windows or doors, and located at strong points of building construction in locations where the access point does not conflict with overhead obstructions such as tree limbs, wires, or signs.

- **Option – Westfall/Stuart**

605.11.3.1 Roof access points.

When determining ~~Roof~~ access points, consideration shall be given to ~~located in areas that do not require~~ the placement of Fire Department ground ladders, which minimizes exposure over openings such as windows or doors, ~~and~~ Roof access should be located at strong points of building construction in locations where the access point does not conflict with overhead obstructions such as tree limbs, wires, or signs.

PROPOSED TAG MODIFICATIONS TO THE 2012 FIRE CODE

RE: SOLAR PV SYSTEM REQUIREMENTS

Model Code/Section 605.11.3.2

605.11.3.2 Residential systems for one- and two-family dwellings. Access to residential systems for one- and two-family dwellings shall be provided in accordance with Sections 605.11.3.2.1 through 605.11.3.2.4.

- **Option - Herman**

605.11.3.2 Residential systems for one- and two-family dwellings. Access to residential systems for ~~one- and-~~ two-family dwellings or greater shall be provided in accordance with Sections 605.11.3.2.1 through 605.11.3.2.4. *reviewed and approved by the local jurisdiction.*

- **Option – Kokot (Randall, Kozin)**

605.11.3.2 Residential systems for one- and two-family dwellings. Access to residential systems for one- and two-family dwellings shall be ~~provided in accordance with Sections 605.11.3.2.1 through 605.11.3.2.4.~~ reviewed and approved by the local jurisdiction.

- **Option - Spring**

605.11.3.2 Residential systems for one- and two-family dwellings. Access to residential systems for one- and two-family dwellings shall be ~~provided in accordance with Sections 605.11.3.2.1 through 605.11.3.2.4.~~ *reviewed and approved by the local jurisdiction. Fire code official shall only limit the photovoltaic array size for solar power production to the extent necessary to provide essential fire fighter roof access and pathways.*

- **Option - Teran**

605.11.3.2 Residential systems for one- and two-family dwellings.

Access to residential systems for one- and two-family dwellings shall be provided in accordance with Sections 605.11.3.2.1 through 605.11.3.2.4.

Exception: These requirements shall not apply to one- and two-family dwellings with an approved automatic fire sprinkler system installed.

- **Option – Westfall/Stuart**

605.11.3.2 Residential systems for one- and two-family dwellings. Approved Access to non-paneled roof areas residential systems for one- and two-family dwellings shall be provided for the purpose of ventilation in a fire condition provided in accordance with Sections 605.11.3.2.1 through 605.11.3.2.4.

Exceptions:

- 1) Residential dwellings with approved automatic sprinkler systems installed in accordance with IFC 903.3.1.3.
- 2) Residential dwellings with approved mechanical or passive ventilation systems
- 3) Where the fire code official determines that the slope of the roof is too steep for emergency access.
- 4) Where the fire code official determines that vertical ventilation tactics will not be utilized on the structure or in the area, department, or district.

PROPOSED TAG MODIFICATIONS TO THE 2012 FIRE CODE

RE: SOLAR PV SYSTEM REQUIREMENTS

Model Code/Sections 605.11.3.2.1 through 606.11.3.2.4

- Option – Kokot – delete these sections (general agreement of the TAG)

~~605.11.3.2.1 Residential buildings with hip roof layouts.~~

~~Panels/modules installed on residential buildings with hip roof layouts shall be located in a manner that provides a 3-foot-wide (914 mm) clear access pathway from the eave to the ridge on each roof slope where panels/modules are located. The access pathway shall be located at a structurally strong location on the building capable of supporting the live load of fire fighters accessing the roof.~~

~~**Exception:** These requirements shall not apply to roofs with slopes of two units vertical in 12 units horizontal (2:12) or less.~~

~~605.11.3.2.2 Residential buildings with a single ridge.~~

~~Panels/modules installed on residential buildings with a single ridge shall be located in a manner that provides two, 3-foot-wide (914 mm) access pathways from the eave to the ridge on each roof slope where panels/modules are located.~~

~~**Exception:** This requirement shall not apply to roofs with slopes of two units vertical in 12 units horizontal (2:12) or less.~~

~~605.11.3.2.3 Residential buildings with roof hips and valleys.~~

~~Panels/modules installed on residential buildings with roof hips and valleys shall be located no closer than 18 inches (457 mm) to a hip or a valley where panels/modules are to be placed on both sides of a hip or valley. Where panels are to be located on only one side of a hip or valley that is of equal length, the panels shall be permitted to be placed directly adjacent to the hip or valley.~~

~~**Exception:** These requirements shall not apply to roofs with slopes of two units vertical in 12 units horizontal (2:12) or less.~~

~~605.11.3.2.4 Residential building smoke ventilation.~~

~~Panels/modules installed on residential buildings shall be located no higher than 3 feet (914 mm) below the ridge in order to allow for fire department smoke ventilation operations.~~

Model Code/Section 605.11.3.3

605.11.3.3 Other than residential buildings.

Access to systems for occupancies other than one- and two-family dwellings shall be provided in accordance with Sections 605.11.3.3.1 through 605.11.3.3.3.

Exception:

Where it is determined by the *fire code official* that the roof configuration is similar to that of a one- or two-family dwelling, the residential access and ventilation requirements in Sections 605.11.3.2.1 through 605.11.3.2.4 shall be permitted to be used.

PROPOSED TAG MODIFICATIONS TO THE 2012 FIRE CODE

RE: SOLAR PV SYSTEM REQUIREMENTS

- **Option – Kokot (Kozin, Nelson, Randall, Spring)**

605.11.3.3 Other than residential buildings. Access to systems for occupancies other than one- and two-family dwellings shall be provided in accordance with Sections 605.11.3.3.1 through 605.11.3.3.3 meeting the requirements of the local jurisdiction.

Exception: Where it is determined by the fire code official that the roof configuration is similar to that of a one- or two-family dwelling, the residential access ~~and ventilation requirements in Sections 605.11.3.2.1 through 605.11.3.2.4~~ shall be permitted to be used.

- **Option – Westfall/Stuart**

605.11.3.3 ~~Other than residential~~ Commercial and multi-family buildings. Access to systems for commercial and multi-family occupancies ~~other than one- and two-family dwellings~~ shall be provided in accordance with Sections 605.11.3.3.1 through 605.11.3.3.3 ~~meeting the requirements of the local jurisdiction.~~

Exception: Where it is determined by the *fire code official* that the roof configuration is similar to that of a one- or two-family dwelling, the residential access and ventilation requirements in Sections 605.11.3.2.1 through 605.11.3.2.4 shall be permitted to be used.

Model Code/Section 605.11.3.3.1

605.11.3.3.1 Access.

There shall be a minimum 6-foot-wide (1829 mm) clear perimeter around the edges of the roof.

Exception: Where either axis of the building is 250 feet (76 200 mm) or less, there shall be a minimum 4-foot-wide (1290 mm) clear perimeter around the edges of the roof.

- **Option - Herman**

605.11.3.3.1 Access. There shall be a minimum 6-foot-wide (1829 mm) clear perimeter around ~~the edges of the roof.~~ Access shall be provided to accommodate fire fighter roof operations, unless deemed unnecessary by the local jurisdiction.

Exception: ~~Where either axis of the building is 250 feet (76 200 mm) or less, there shall be a 12~~ minimum 4-foot-wide (1290 mm) clear perimeter around the edges of the roof.

- **Option – Kokot (most others in agreement)**

605.11.3.3.1 Access. ~~There shall be a minimum 6-foot-wide (1829 mm) clear perimeter around the edges of the roof.~~ Access shall be provided to accommodate fire fighter roof operations.

Exception: ~~Where either axis of the building is 250 feet (76 200 mm) or less, there shall be a minimum 4-foot-wide (1290 mm) clear perimeter around the edges of the roof.~~

PROPOSED TAG MODIFICATIONS TO THE 2012 FIRE CODE

RE: SOLAR PV SYSTEM REQUIREMENTS

- Option – Westfall/Stuart

605.11.3.3.1 Access. There shall be a minimum 6-foot-wide (1829 mm) clear perimeter around the edges of the roof.

Exception: Where either axis of the building is 250 feet (76 200 mm) or less, there shall be a minimum 4-foot-wide (1290 mm) clear perimeter around the edges of the roof

Model Code/Section 605.11.3.3.2

605.11.3.3.2 Pathways.

The solar installation shall be designed to provide designated pathways. The pathways shall meet the following requirements:

3. The pathway shall be over areas capable of supporting the live load of fire fighters accessing the roof.
4. The centerline axis pathways shall be provided in both axes of the roof. Centerline axis pathways shall run where the roof structure is capable of supporting the live load of fire fighters accessing the roof.
5. Shall be a straight line not less than 4 feet (1290 mm) clear to skylights or ventilation hatches.
6. Shall be a straight line not less than 4 feet (1290 mm) clear to roof standpipes.
7. Shall provide not less than 4 feet (1290 mm) clear around roof access hatch with at least one not less than 4 feet (1290 mm) clear pathway to parapet or roof edge.

- Option - Herman

605.11.3.3.2 Pathways. The solar installation shall be designed to provide designated 1pathways. The pathways shall meet the following requirements:

1. The pathway shall be over areas capable of supporting the live load of fire fighters accessing the roof.
2. ~~The centerline axis pathways shall be provided in both axes of the roof. Centerline axis pathways shall run where the roof structure is capable of supporting the live load of fire fighters accessing the roof.~~ *The pathway shall be a minimum of 3 feet clear.*
3. ~~Shall be a straight line not less than 4 feet (1290 mm) located to give access to clear to~~ skylights or ventilation hatches.
4. ~~Shall be a straight line not less than 4 feet (1290 mm) located to give access to clear to~~ roof standpipes.
5. ~~Shall provide not less than 4 feet (1290 mm) clear access around roof access hatches with at least one not less than 4 feet (1290 mm) clear pathway to parapet or roof edge.~~

- Option - Kokot

605.11.3.3.2 Pathways. The solar installation shall be designed to provide designated pathways. The pathways shall meet the following requirements:

1. The pathway shall be over areas capable of supporting the live load of fire fighters accessing the roof.
2. ~~The centerline axis pathways shall be provided in both axes of the roof. Centerline axis pathways shall run where the roof structure is capable of supporting the live load of fire fighters accessing the roof.~~ The pathway shall be a minimum of 3 feet clear.
3. ~~Shall be a straight line not less than 4 feet (1290 mm) located to clear to~~ skylights or ventilation hatches.
4. ~~Shall be a straight line not less than 4 feet (1290 mm) located to clear to~~ roof standpipes.

PROPOSED TAG MODIFICATIONS TO THE 2012 FIRE CODE

RE: SOLAR PV SYSTEM REQUIREMENTS

5. Shall provide not less than 4 feet (1290 mm) clear access around roof access hatches with at least one not less than 4 feet (1290 mm) clear pathway to parapet or roof edge.

- **Option - Kozin**

605.11.3.3.2 Pathways. The solar installation shall be designed to provide designated pathways. The pathways shall meet the following requirements:

1. The pathway shall be over areas capable of supporting the live load of fire fighters accessing the roof.
 2. ~~The centerline axis pathways shall be provided in both axes of the roof. Centerline axis pathways shall run where the roof structure is capable of supporting the live load of fire fighters accessing the roof. The pathway shall be a minimum of 64 feet (1290 mm) clear on one side of skylights or roof standpipes.~~
 3. ~~Shall be a straight line not less than 4 feet (1290 mm) clear to skylights or ventilation hatches.~~
 4. ~~Shall be a straight line not less than 4 feet (1290 mm) clear to roof standpipes.~~
53. The pathway shall provide not less than 4 feet (1290 mm) clear access around roof access hatches with at least one not less than 4 feet (1290 mm) clear pathway to parapet or roof edge.

Model Code/Section 605.11.3.3.3

605.11.3.3.3 Smoke ventilation.

The solar installation shall be designed to meet the following requirements:

1. Arrays shall be no greater than 150 feet (45 720 mm) by 150 feet (45 720 mm) in distance in either axis in order to create opportunities for fire department smoke ventilation operations.
2. Smoke ventilation options between array sections shall be one of the following:
 - 2.1. A pathway 8 feet (2438 mm) or greater in width.
 - 2.2. A 4-foot (1290 mm) or greater in width pathway and bordering roof skylights or smoke and heat vents.
 - 2.3. A 4-foot (1290 mm) or greater in width pathway and bordering 4-foot by 8-foot (1290 mm by 2438 mm) "venting cutouts" every 20 feet (6096 mm) on alternating sides of the pathway.

- **Option – Kokot (Herman, Kozin, Nelson, Randall, Spring)**

605.11.3.3.3 Smoke ventilation. The solar installation shall be designed to meet the following requirements: ~~the requirements for smoke ventilation practices utilized by the local fire jurisdiction.~~

1. ~~Arrays shall be no greater than 150 feet (45 720 mm) by 150 feet (45 720 mm) in distance in either axis in order to create opportunities for fire department smoke ventilation operations.~~
2. ~~Smoke ventilation options between array sections shall be one of the following:~~
 - 2.1. ~~A pathway 8 feet (2438 mm) or greater in width.~~
 - 2.2. ~~A 4-foot (1290 mm) or greater in width pathway and bordering roof skylights or smoke and heat vents.~~
 - 2.3. ~~A 4 foot (1290 mm) or greater in width pathway and bordering 4 foot by 8 foot (1290 mm by 2438 mm) "venting cutouts" every 20 feet (6096 mm) on alternating sides of the pathway.~~

PROPOSED TAG MODIFICATIONS TO THE 2012 FIRE CODE

RE: SOLAR PV SYSTEM REQUIREMENTS

Model Code/Section 605.11.4

605.11.4 Ground-mounted photovoltaic arrays.

Ground-mounted photovoltaic arrays shall comply with Sections 605.11 through 605.11.2 and this section. Setback requirements shall not apply to ground-mounted, free-standing photovoltaic arrays. A clear, brush-free area of 10 feet (3048 mm) shall be required for ground-mounted photovoltaic arrays.

- **Option - Kokot**

605.11.4 Ground-mounted photovoltaic arrays. Ground-mounted photovoltaic arrays shall comply with Sections 605.11 through 605.11.2 and this section. ~~Setback requirements shall not apply to ground-mounted, free-standing photovoltaic arrays.~~ A clear, brush-free area of 10 feet (3048 mm) shall be required for ground-mounted photovoltaic arrays.

- **Option - Kozin**

605.11.4 Ground-mounted photovoltaic arrays. Ground-mounted photovoltaic arrays shall comply with Sections 605.11 through 605.11.2 and this section. ~~Setback requirements shall not apply to ground-mounted, free-standing photovoltaic arrays.~~ A clear, brush-free area of ~~10 feet (3048 mm)~~ 3 feet (914 mm) shall be required for ground-mounted photovoltaic arrays.

- **Option - Nelson**

605.11.4 Ground-mounted photovoltaic arrays. Ground-mounted photovoltaic arrays shall comply with Sections 605.11 through 605.11.2 and this section. ~~Setback requirements shall not apply to ground-mounted, free-standing photovoltaic arrays.~~ A clear, brush-free area of 10 feet (3048 mm) shall be required for ground-mounted photovoltaic arrays, or all DC and AC wiring shall be enclosed in conduit. and be approved by the local fire code officer.

- **Option - Randall**

605.11.4 Ground-mounted photovoltaic arrays. Ground-mounted photovoltaic arrays shall comply with Sections 605.11 through 605.11.2 and this section. Setback requirements shall not apply to ground-mounted, free-standing photovoltaic arrays. ~~A clear, brush-free area of 10 feet (3048 mm) shall be required for ground-mounted photovoltaic arrays.~~

- **Option – Spring and Herman**

605.11.4 Ground-mounted photovoltaic arrays. Ground-mounted photovoltaic arrays shall comply with Sections 605.11 through 605.11.2 and this section. ~~Setback requirements shall not apply to ground-mounted, free-standing photovoltaic arrays.~~ A clear, brush-free area of 10 feet (3048 mm) shall be required for ground-mounted photovoltaic arrays.

- **Option – Westfall/Stuart**

605.11.4 Ground-mounted photovoltaic arrays. Ground-mounted photovoltaic arrays shall comply with Sections 605.11 through 605.11.2 and this section. Ground array wiring shall be routed in conduit. ~~Setback requirements shall not apply to ground-mounted, free-standing photovoltaic arrays.~~ A clear, brush-free area of 10 feet (3048 mm) shall be required for ground-mounted photovoltaic arrays.