



**City of Phoenix**  
FIRE DEPARTMENT  
FIRE PREVENTION SECTION

**Proposed Adjustment to the City of Phoenix Fire Prevention Fee Schedule currently adopted by Ordinance Number G-6677 § 1, 2020**

**Strikethrough** represents proposed code text deletion and **underline** represents text addition  
**Updated 3/4/2021**

1.	<b>Fire Prevention Fee Schedule</b>	<p>Battery systems, electrical energy storage systems to include lithium ion battery systems, OTC. To install electrical energy storage systems regulated by Section 1206.4 with a capacity of more than 3 kWh to <del>20</del> <u>27</u> kWh in an R-3 or R-4 occupancy. Permit..... 2.0 hrs</p> <p><b>Reason:</b> The original intent of this over the counter (OTC) permit was to allow two battery storage units in a R-3 occupancy and not require a full plan review. At the time of code adoption, the most predominant battery on the market that the Phoenix Fire Department’s Fire Prevention Section permitted was 9.8 kWh per unit. Therefore, 20 kWh would allow two battery units. Industry standards have moved to batteries that contain 13.5 kWh energy storage per unit. This change will allow two units to be permitted by the OTC process. This action does not change the Phoenix Fire Code’s requirements or regulations set forth for the installation for such batteries. This adoption would result in a reduction of the customers permit fee and reduced permit processing time for systems submitted to the Phoenix Fire Department’s Fire Prevention Section between 20-27 kWh.</p> <p><b>Action Taken:</b> Presented to the Fire Safety Advisory Board on 3/11/2021.</p>
2.	<b>Fire Prevention Fee Schedule</b>	<p>Solar photovoltaic power systems, OTC. To install or modify install a residential solar photovoltaic power system with an alternating current nameplate rating of 3 kW to <del>12</del> <u>15</u> kW in an R-3 or R-4 occupancy or the installation of a residential solar photovoltaic system for a water heater with a system size of 30kWth (462 square feet (49.9 M2 ) of collector) or less in an R-3 or R-4 occupancy. Permit ..... 2.0 hrs</p> <p><b>Reason:</b> At time of this fee creation and adoption, the average solar system submitted to the Phoenix Fire Department’s Fire Prevention Section was under 12 kW. This OTC allowed a faster permitting process for the systems and required plan reviews for system larger than 12 kW. With the growth and adoption of solar we now see systems on average up to 15 kW. By changing the OTC threshold to 15 kW from 12 kW, we still meet the requirements for the Phoenix Fire Code and assist our community in quicker permit processing times to aid our development community and residents. This action does not change the Phoenix Fire Code’s requirements or regulations set forth for the installation for such solar systems. This adoption would result in a reduction of the customers permit fee and reduced permit processing time for systems submitted to the Phoenix Fire Department’s Fire Prevention Section between 12-15 kW.</p> <p><b>Action Taken:</b> Presented to the Fire Safety Advisory Board on 3/11/2021.</p>



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3.	<b>Fire Prevention Fee Schedule</b>	<p>Solar photovoltaic power systems. To install or modify install a residential solar photovoltaic power system with an alternating current nameplate rating in greater than <del>12</del> <u>15</u> kW.</p> <p>Residential Plan Review ..... 2.0 hrs  Inspection ..... 1.0 hrs</p> <p>Commercial Plan Review..... 2.5 hrs  Inspection ..... 1.5 hrs</p>
<p><b>Reason:</b> At time of this fee creation and adoption, the average solar system submitted to the Phoenix Fire Department’s Fire Prevention Section was under 12 kW. With the growth and adoption of solar we now see systems on average up to 15 kW. By changing the plan review threshold to 15 kW from 12 kW, we still meet the requirements for the Phoenix Fire Code and assist our community in quicker permit processing times to aid our development community and residents. This action does not change the Phoenix Fire Code’s requirements or regulations set forth for the installation for such solar systems. This adoption would result in a reduction of the customers permit fee and reduced permit processing time for systems submitted to the Phoenix Fire Department’s Fire Prevention Section between 12-15 kW.</p>		
<p><b>Action Taken:</b> Presented to the Fire Safety Advisory Board on 3/11/2021.</p>		