

Current Safety Zone Calculation		
Flame Height	Seperation Distance (firefighters to flames)	Area in acres*
10 ft	40 ft	1/10 acres
20 ft	80 ft	1/2 acres
50 ft	200 ft	3 acres
100 ft	400 ft	12 acres
200 ft	800 ft	46 acres
*Area in acres is calculated to allow for distance seperation on all sides for a 3-person engine crew (1 acre is approximately the size of a football field, or 208 ft by 208 ft)		

<b>New Preliminary Proposed Safety Zone Rule (July 2014)</b>			
<b>Calculating a Safe Separation Distance (SSD)</b>			
<b>SSD = 8 * Slope wind Factor * Height of the surrounding vegetation</b>			
<b>SLOPE-WIND FACTOR</b>			
<b>Wind Speed</b>	<b>Flat 0% Slope</b>	<b>20% Slope</b>	<b>&gt;30% Slope</b>
<b>Light 0-10 mph</b>	<b>1</b>	<b>2</b>	<b>3</b>
<b>Moderate 11-20 mph</b>	<b>2</b>	<b>3</b>	<b>5</b>
<b>Strong &gt; 20 mph</b>	<b>3</b>	<b>5</b>	<b>6</b>