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Wisconsin Region
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The key to making things affordable is design and technology improvements,
As well as scale.

Elon Musk

Over the past 4 years I have been with the National Fire Sprinkler Association I have heard that the main argument against installing fire sprinklers is that they make housing unaffordable. The myth is that it is cost prohibitive to the builder and new owner. Studies have shown advantages to fire sprinklers in reducing cost due to trade-offs within the building codes not only in multi-family buildings, but also in developments. These cost studies look only at the dollar costs to build and do not factor the intangible costs or future savings. The Las Vegas FD commissioned a study with UNLV regarding the cost-benefits of fire sprinkler installation in homes under 5,000 square feet and showed that payback occurred in less than one year by figuring not only insurance premium reductions, but also home appreciation. This draft study is located at <https://files.lasvegasnevada.gov/fire-rescue/CLV-UNLV-Sprinkler-Study.pdf> for those that may be interested.

We have seen a reduction in costs for installation of residential fire sprinkler systems with technology and design updates over the years. An increase in residential systems would also see cost decrease similar to what is seen in Scottsdale, AZ. We continue to push the intangibles – Life Safety, Property Preservation, and ease of rehab.

----- Save the Date -----

Upcoming NFSA WI Chapter Events

31st Annual Burn Center Golf Invitational

August 26, 2019
Grand Geneva Resort & Spa

NFSA Chapter Meeting

September 10, 2019
Coopers Hawk Restaurant
15 S. Moorland Rd
Brookfield, WI

November 19, 2019
Coopers Hawk Restaurant
15 S. Moorland Rd
Brookfield, WI



Burn Center Golf Invitational

The 31st annual Burn Center Golf Invitational on August 26, 2019 at the Grand Geneva Resort and Spa. This prestigious event has been supported by the fire sprinkler industry over the years and has donated over \$2.5 million to burn prevention programs at Ascension Columbia St. Mary's Burn Center and the Burn Camp for Youth.

We currently have over 180 golfers registered through sponsorships and foursomes. We expect another big turnout. Add-on events include discounts on Sunday golf, Sunday meals and services at the Grand Geneva Resort and Spa. We will again be offering the Bloody Mary bar before the shotgun start.

The event will start at 10:00 AM with registration and practice time at the driving range and putting green. Lunch will be served at 11:00 AM with a Bloody Mary Bar available nearby. Shotgun start for golf will start at noon on the Brute and Highlands courses. Golf will be a scramble format with award for top two teams. The evening program will begin at 5:30 PM with appetizers and cash bar. Dinner to be served at 6:00 and evening program to begin at 6:30.

Please contact Marty King at king@nfsa.org about participating.

The 2018 BCGI saw 186 golfers participate with over \$110,000 donated. We are expecting another banner year.

NFSA Layout Technician Blended Learning Course

You asked, NFSA listened and delivered. This new approach to fire sprinkler training allows for a combination of self-paced and interactive online learning along with in-class sessions. The course is comprised of:

- A "40 hours of online" portion facilitated by an NFSA instructor who will monitor and assist as needed, and be available for live chat or phone calls. Segments include codes and standards, sprinkler installation, seismic protection, fire pumps and standpipes, and hydraulic calculations.
- A 5-day, in-person portion focuses on intense practical application layout and design work under the guidance of an NFSA instructor. Project management and layout and calculations of wet- and dry-pipe system will be covered.
- The final portion is a required verification that the student has received training or is competent in CAD. This is provided by the employer or mentor of the student.

Find out more at <http://bit.ly/NFSAtrng>

Because Nobody does Fire Sprinkler Training Like NFSA --- NOBODY!

******* 2019 Classes *******

Two week Layout Technician Training

October 14 – October 25, 2019
Baltimore, MD

Layout Technician – Blended Learning In-Class Practicum

October 21 – October 25, 2019
Baltimore, MD

Wisconsin Fire Sprinkler Saves**July 1, 2019****Jackson, WI**

The Jackson FD received a waterflow alarm at 1 AM at a manufacturing facility. The origin of the fire was an electrical panel on an inside wall. A single head extinguished the fire and kept it in check according to Fire Marshal Ruetten. Damage was limited and no injuries reported.

July 10, 2019**Onalaska, WI**

A fire broke out inside the shredder hopper about 8:30 a.m. at the company's processing facility, N5550 Dynamic Way, according to a company spokesperson. The building was evacuated. The company's sprinkler system subdued the fire, and firefighters were able to contain it to the shredder hopper. There was no structural damage to the building. Firefighters from La Crosse, West Salem, the towns of Campbell and Farmington, and Brice Prairie first responders assisted at the scene. The company, which has been in business since 2007, is an electronics recycler.

July 13, 2019**Brookfield, WI**

The Brookfield Fire Department responded to a reported building fire at 17385 Riverbirch Dr.. This is a 120-unit, three-story apartment building. This was a dumpster fire in the building's east underground parking garage that was confined to its point of origin in a trash collection room. The fire was held in check by the activation of one sprinkler head positioned over the dumpster.

There was a moderate smoke condition through the parking garage, which was eventually ventilated post extinguishment, however the structure itself sustained no smoke, heat or water damage. This was an absolute textbook example of the effectiveness of automatic sprinkler systems in protecting occupants in a large, multi-family dwelling.

July 15, 2019**Oak Creek, WI**

On July 15th, at 10:45 am, the Oak Creek Fire Department, assisted by the South Milwaukee and Franklin Fire Departments, responded to the report of a truck fire inside of the maintenance garage at KEI Landscaping. Upon arrival, crews found moderate smoke conditions at the rear of the two-story garage.

Oak Creek crews made entry and found that the sprinkler system had activated and was controlling the truck fire from spreading to other parts of the garage. Crews extinguished the small fire in the cab area of the vehicle and cleared the structure of smoke. "Damage was limited to the vehicle, approximately \$1 million in property was potentially saved by the activation of this sprinkler system" according to Assistant Chief Kressuk.

July 18, 2019**Madison, WI**

Engine Company 14 and other fire companies were dispatched to a condominium complex on Catalina Parkway just after midnight. One resident greeted firefighters and advised that an electric bike was on fire in the garage. The remainder of the building was evacuated as firefighters proceeded to the basement. They found the sprinkler system had the fire under control, and only a small amount of smoke had entered the living space within the complex. Crews extinguished the remaining fire and stopped the automatic sprinkler system.

Investigation determined the homeowner had left the e-bike on a charger for the night, the battery on the bike started on fire, which activated the sprinkler system. Fire damage was isolated to the bike, with slight damage to a workbench nearby. The owner advised that the electric portion of the e-bike was an aftermarket kit they had purchased on eBay.

July 24, 2019**Schofield, WI**

Firefighters believe some cardboard caught fire after a wall heater malfunctioned. Internal sprinkler systems put the fire out, but the area also contained an ammonia pump. A hazmat team was called in by the storage company. "They showed up here and made sure that the ammonia system was working correctly, and it is," said Rob Bowen, the Riverside Fire District Fire Chief. "So, there's no fear to the public or anything." All employees evacuated the building without injury. There was light smoke damage to the building.

July 29, 2019**Madison, WI**

The fire was reported to have started when a charcoal grill caught the third-floor apartment's balcony on fire. Before fire crews arrived, the apartment's fire sprinkler system activated on the balcony. A resident of the apartment told firefighters he was grilling bacon on the balcony. It was found that heat from the flare up caused the activation of the sprinkler system. No smoke or fire damage was found to the interior of the apartment.

City of Madison fire code prohibits the use of natural gas or charcoal grills on decks or balconies or within ten feet of combustible construction unless the balcony or deck is protected by automatic sprinklers. The automatic sprinkler system limited damage to the grill, and the residents of the complex were able to stay in their apartments.

Contact me with your saves!

Contact me **A.S.A.P. at (414) 531-9542 or e-mail: king@nfsa.org** if you have information regarding a Major Fire or Sprinkler Save or fire is defined as "one where there is extensive property loss, multiple death or injury to citizens or firefighters, or any other significant circumstances regarding fire sprinkler protection or lack thereof." Our goal when the appropriate fire scenario occurs is to influence immediate post-media coverage regarding the application of fire sprinkler protection, or lack of protection." Sprinkler Saves will help inform others that the systems do work and will provide life and property saving values.

When forwarding information of a major fire include; date, time, city, state, address, sprinkled, non-sprinkled, injuries, deaths and any other fire related particulars that may be available. Also, contact me if your company replaces a sprinkler head(s) due to activation by fire.





NFSA On-Line and In-Class Seminars

The On-Line Seminars have been approved for 1.0-hour CEU credit in Wisconsin for the following licenses: Automatic Fire Sprinkler Contractor, Automatic Fire Sprinkler Contractor – Maintenance, Journeyman Automatic Fire Sprinkler Fitter, Automatic Fire Sprinkler Tester, and Commercial Building Inspector. From the desktop of an office or the comforts of a home, one can watch the 1 hour live-interactive seminar and receive credit. Tech Tuesdays are delivered the 3rd Tuesday of the month at 9:30 AM CST.

- In order to take advantage of the FREE seminar, you must register PRIOR to the live event. Registration for live Tech Tuesdays closes 24 hours prior to air date. If you register after this time you will be required to purchase the seminar at the normal price.
- Only registered participants will receive credit for participation. Please ensure anyone needing continuing education credits, registers for the seminar under their individual account. Don't have an account? [Click here!](#)
- Effective January 1, 2019, Tech Tuesday seminars qualify for 1.0 contact hours.
- Once registered, live Tech Tuesday seminars will be available in your online training account for 30 days following the live event. You must complete the seminar within the 30 days to be awarded credit. If you do not complete the seminar within the 30-day window, you will be required to purchase the seminar to get credit. *Completion includes the quiz and survey.*

2017 "Technical Tuesday" Online Classes

8/20	Foam Systems ITM – NFPA 25, 11 and 16	Vince Powers, ITM Specialist
9/17	Copy Extracts in NFPA Codes and Conflicts	Jeff Hugo, Director of Codes
10/15	NFPA 75	Kevin Hall P.E., Manager of Engineering Research
11/19	NFPA 909 Requirements for Cultural properties	Mark Hopkins, VP of Engineering
12/17	Overview of NFPA 15: Water Spray Fixed Systems	Roland Asp, Manager of Installation Standards

Please register for the remainder of 2019 Tech Tuesdays.