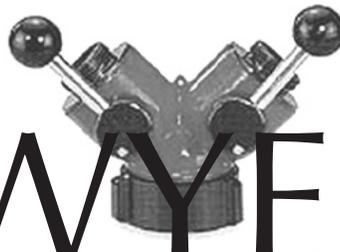


GATED WYE



December 2011 · Oregon Office of State Fire Marshal · 4760 Portland Road NE · Salem Oregon 97305-1760 · No. 335

Report School Fires

Every fire, Every time, Any size, Anywhere

Only a small percentage of school fire incidents get reported to fire departments every year. Incomplete fire reporting gives the fire service and school districts an inaccurate picture of the school fire problem.

The OSFM's Youth Fire Prevention and Intervention Program, in partnership with the Special Districts Association of Oregon (SDAO) and the Property and Casualty Coverage for Education, launched a new version of Oregon's *Report School Fires* awareness and prevention program at the Oregon Fire Chiefs Association Annual Conference in November.

The program is designed to help fire districts work with local school districts to ensure the reporting of all school fires.

The updated program includes:

- A three and one-half minute DVD on the importance of reporting all fires on school property.
- Brochure on reporting fires, reducing risk, youth-set fires, and evacuation.
- Sprinkler system checklist.
- Oregon's school fire reporting laws.

SDAO will provide packets free to each of its school and fire district members. The OSFM will provide packets free to Oregon's remaining fire and school districts.

Mike Eby, Fire Chief of Hoodland Fire District #74 and the first recipient of the new *Report School Fires* packet said this will be a valuable tool for them.



Hoodland Fire Chief Mike Eby receives the first revised edition of the *Report School Fires* program from OSFM Training Specialist Krista Fischer.

For more information, contact the OSFM Youth Fire Prevention and Intervention Program at 503-934-8240 or 503-934-8230.

The *Report Every Fire* brochure and video will be available December 5th on the OSFM website.

Mayor recognizes IMT response

Eugene Mayor Kitty Piercy made a surprise visit to the OSFM in October to present Chief Deputy State Fire Marshal Jim Walker with a plaque, thanking incident management team members and OSFM staff who assisted with memorial events this past spring.

In April, OSFM incident management team members voluntarily deployed to assist the city of Eugene in planning and managing events to honor Eugene Police Officer Chris Kilcullen, killed in the line of duty April 22, 2011.

"I am honored to accept this on behalf of our team members and staff," said Walker. "Everyone should be proud of their contribution in helping the Eugene community during such a difficult time."



Eugene Mayor Kitty Piercy presents a thank you plaque to Chief Deputy Jim Walker.

From the desk of the State Fire Marshal



“I have met many positive, professional, and highly competent individuals who are the “tip of the spear” for fire and life safety in Oregon.”

– SFM Mark Wallace

A tour and relationship building update

I knew it was a big undertaking when I arrived as your new State Fire Marshal, but I am still learning just how big and diverse Oregon really is. My goal is to meet as many people as possible from the Oregon fire service as well as our collaborators, cooperators, and partners.

Since July, I’ve driven more than 5,500 miles around the state and interacted with personnel from 181 different fire departments. I stopped by 36 other departments, but found no one “home.” Although I’m trying to keep close count, I’m sure I’ve also missed a few departments along the way.

When travelling for any purpose, I will continue to stop at as many departments as time allows. I count group meetings, fire defense board meetings, fire service organization meetings, conferences, and special team meetings in my “interactions.” If I haven’t been to your department, be patient, I will get there as soon as I can.

This has been a great process. I have met many positive, professional, and highly competent individuals who are the “tip of the spear” for fire and life safety in Oregon. Oregonians are fortunate to have such great people serving them. Many non-fire service people I have met brag about their fire department or individuals within their department.

I’ve listened to many folks concerning the services we provide and have heard far more accolades than concerns. I am always open to feedback and will continue to strive to maintain a high level of transparency in all that we do. Your comments, suggestions, and recommendations are important to our success.

Given the upcoming winter weather, I am focusing on departments in the Willamette Valley and Portland. I will continue to attend meetings of fire defense boards and other related organizations. I still have a lot to do, many places to visit and people to meet as I work toward my goal.

I look forward to meeting those I have not met and visiting your department as soon as possible.



**State Fire Marshal
Mark Wallace**

**Office of
State Fire Marshal**

**Oregon State Police
4760 Portland Rd. NE
Salem Oregon
97305-1760**

**www.oregon.gov/OSP/SFM
503-934-8200**

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Community
Right-to-Know
ext. 214

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Youth Prevention
& Intervention
ext. 230

The Gated Wye is published monthly by the Oregon Office of State Fire Marshal. For submissions or suggestions contact Rich Hoover at 503-934-8217 or e-mail richard.hoover@state.or.us. In compliance with the Americans with Disabilities Act, alternative formats of this publication are available.

Change in maintenance of competency certification

The Competency Recognition Advisory Committee and the Oregon State Fire Marshal have approved the following change to continuing education of the [OSFM Competency Recognition program](#).

Oregon Fire Code Amendments Class Required For Maintenance of Recognition: A person must take an Oregon Fire Code Amendments class once every code cycle (three years) to maintain certification for Fire and Life Safety Specialist I, Fire and Life Safety Specialist II, or Fire Marshal. This class will be required within the first year of the code cycle change. This requirement is effective beginning with the 2013 code cycle. Maintenance training must be completed between April 2013 and April 2014. Each code cycle, the OSFM will provide an Oregon Fire Code Amendments class online via iLearnOregon and as classroom training. Enroll for the class using the "Interest List" on iLearnOregon website. This requirement does not apply to the Company Inspector certificate.

[OAR 837-039-0120 Certification and Training Requirements for Conducting Fire Code Enforcement](#) establishes statewide standards for certification and training requirements of fire officials responsible for administration of a fire code approved by the OSFM. [The Fire and Life Safety Competency Recognition standards](#) identify the scope of practice, training, technical certification, and experience required to administer and enforce the fire code in Oregon.

[View your Competency Recognition Status here.](#) [Review Competency Recognition Requirements here.](#)

For questions, contact Anita Horsley at 503-934-8249 or anita.horsley@state.or.us.



December trainings offered by OSFM

The Office of State Fire Marshal, in partnership with Tri-City Fire District in Myrtle Creek, is hosting the following two trainings in December. Members of any fire agency are welcome to attend.

Fire & Life Safety Awareness I - December 8, from 1830 – 2130 hrs. Class size is limited to 25.

FLSA Module I: Scope of Authority & Assembly Occupancies. This training provides a review of the Oregon Revised Statute, Oregon Administrative Rules, and Oregon Attorney General Opinions related to the powers and duties of the State Fire Marshal (SFM), assistants to the SFM, inspection procedures, due process, and investigation of fires. Assembly Occupancies training provides definitions and fire and life safety concerns in assembly occupancies.

Basic Fire Investigation 100 - December 15, from 1830 – 2130 hrs. Class size is limited to 25.

The Basic Fire Investigation 100 level training is a 3-hour course for "first in" firefighters and fire officers based on the current edition of NFPA 1001, NFPA 921, and the Oregon DPSST Task Book objectives. The Basic Fire Investigation 100 course provides a basic framework for fire personnel who have little experience in conducting fire investigations. The course is designed to provide basic understanding of the need for scene preservation, legal authority, determining fire patterns, origin and cause, and various steps in the investigation process.

To enroll: [Click here to register](#) for either class on iLearnOregon.

Once logged in, scroll down the Course Catalog to find the title, click GO to the right of View Sections, click GO to the right of Enroll, click Enroll.

If you do not have an iLearnOregon account, you will need to [create one here](#).

If you need assistance registering, contact Anita Horsley at 503-934-8249 or anita.horsley@state.or.us.

Fire & Life Safety update

By Program Coordinator Terry Wolfe

Take the Right Steps

In November, the Fire & Life Safety Education Unit provided the first train-the-trainer class for *Take the Right Steps*, the OSFM's older adult fire & fall prevention training. The class received good reviews from participants from around the state. Plans are underway for additional trainings. If travel expense is an issue for your department, we can provide training in any area of the state.

Between 2005 and 2009 in Oregon, 32% of fire injuries were adults age fifty and older. This age group also accounted for 60% of fire deaths. If your department is experiencing a high percentage of calls (or an increase in calls) involving older adults, or wants to learn about enhancing the safety of older adult populations, contact our office (info at the end of this article) and request a train-the-trainer class. The OSFM can also provide training directly to your older adult population for you.

Smoke alarm program

Since 2003, the OSFM has sponsored a program to provide smoke alarms to Oregon homeowners for free. The program works by collaborating with local representatives. The OSFM provides smoke alarms and a \$250 grant for project expenses, while local participants provide the manpower for the door-to-door portion of the campaign.

Although the OSFM is making revisions to the program, smoke alarms are still available to agencies interested in coordinating a local campaign. Goals for updating the smoke alarm program include:

- Streamlining the program and its related documentation.
- Providing more options for accessing smoke alarms for unique situations.
- Making the program more user-friendly and minimizing impact to coordinators at the local level.

Revisions should be complete in the next few months. Look for an announcement in the Gated Wye newsletter.

For more information, call 503-934-8266 or email osfm.ce@state.or.us.

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Third successful FPW event in Douglas County

The Douglas County Fire Prevention Cooperative (DCFPC) hosted their third annual Fire Prevention Week event in Roseburg this past October.

More than 1,100 kids, kindergarten through third grade, from 14 local schools began their day by receiving a backpack from the Oregon Department of Forestry. They then made the rounds through a variety of fire safety education stations. Each attending school also received a bicycle, courtesy of Walmart, to give to a student in need.

Attendees were treated to free hot dogs and drinks during all four days of the event. Friday was promoted as "Family Day" with free raffle tickets for prizes ranging from an airplane ride over Douglas County, Wildlife Safari passes and free dinners at local restaurants.



Photo by Bill Brauer

Students learn to "stop, drop, and roll" at one of the fire safety stations during the Douglas County Fire Prevention Week event.

The event, held at the Roseburg Home Depot store, included participation by Douglas County Sheriffs Office, Douglas Forest Protection Association, Douglas County Emergency Management, Oregon State Police, Salvation Army, American Red Cross, Pacific Power, Umpqua Valley Fire Services, 10 Douglas County fire departments, and a host of other organizations.

"We are very thankful for the amount of support we get from the entire county for this event," said DCFPC member and Deputy State Fire Marshal Chris Lyman. "It gets bigger and better every year, and we owe it to the tremendous participation from everyone. They deserve all the thanks."

DATA Connection

News from the Data Collection & Research Unit

Trends in Oregon school fires

This article focuses on fires on non-adult school properties, day care through high school. All statistics in this article are based on 2006-2010 incidents reported to the Oregon Office of State Fire Marshal.

In recent years, the number of Oregon school fires has declined significantly. There were 147 school fires in 2010. This represents a 46% drop from the 271 school fires in 2006. During this five-year period, there were five injuries, no deaths, and \$10.7 million in property loss attributed to school fires.

Additionally, the number of school fires determined to have been caused by juveniles declined significantly during this five-year period. Overall, 20% of school fires during this period were determined as caused by juveniles.

The chart below illustrates both of these trends for the five-year period from 2006-2010.

Breakdown by school type: 48% of school fires during 2006-2010 occurred in middle or high schools, 44% occurred in elementary schools, and 8% occurred in preschools or day cares.

Breakdown by fire type: 58% of school fires occurred outdoors on school properties, 34% of fires on school properties were structure fires, and

2% of fires on school properties were vehicle fires.

Peak months of incidents: 44% of school fires occurred during June, July, and August.

Peak time of day: The peak hour for school fires is 2:00 p.m. to 3:00 p.m.

January 31st deadline

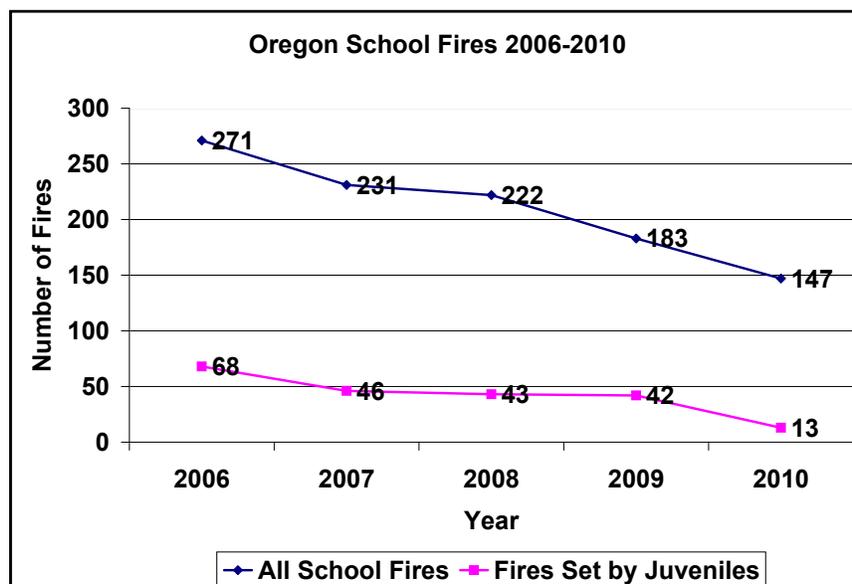
We need your data for the Oregon Office of State Fire Marshal's 2011 Annual Report. For your agency's incident data to be included in the analysis for this report, remember:

- Make sure to report all your fire incidents for 2011 in your Oregon Fire & EMS Bridge™ account by January 31, 2012.
- If you use other reporting software, you must import your reports into Oregon Fire & EMS Bridge™ (or email us your .txt files to import for you) by January 31, 2012.
- Remember to report all incidents involving juveniles, including walk-ins and referrals.

Also remember that all incident reports must be 100% valid, with no errors or warnings, for them to be accepted by the National Fire Incident Reporting System database.

New Data Hotline number

The Data Collection & Research Unit now has a new hotline number 503-934-8250, or toll free 877-588-8787. You can also email us at OSFM. Data@state.or.us.



Chaplain response team training graduates second class

In November, 27 emergency response chaplains from throughout Oregon completed Oregon Chaplain Response Team training at the Oregon Public Safety Academy in Salem.

The training is the first step in fulfilling the requirements for chaplains to join the Oregon Chaplain Response Team (OCRT).

The OCRT is a self-regulated fellowship of chaplains, regionally located around Oregon, with the mission to provide agencies and communities (including state incident management teams) with additional resources when they need the services of a trained chaplain(s).

Training focused on critical incident stress management, and the skills and knowledge chaplains need when assisting at particularly traumatic or large-scale incidents. Attendees also completed sections 100, 200, 700, and 800 of the Federal Emergency Management Agency's Incident Command System training.



Chaplain Jim Crowley (standing) provides instruction on the final day of the Oregon Chaplain Response Team training in November.

Any emergency service agency, community, or other organization may request assistance from the OCRT by contacting the Oregon Emergency Response System at 800-452-0311. Ask for chaplain assistance from the Office of State Fire Marshal.

For more information, contact Chaplain Jim Crowley from Central Oregon Police Chaplaincy at 541-410-6128, or Hillsboro Fire & Rescue Chaplain Steve Brodehl at 503-849-8772.

Fire grant update

by Hines Lieutenant/Grant Writer Jonathan Manski

Wow, it hasn't taken long for the first 1199a updates for the 2011 Assistance to Firefighters Grant (AFG) program to start appearing on some departments' application pages on the Federal Emergency Management Agency's (FEMA) website. The appearance of an 1199a (the direct deposit form notice) is a very nice sign that things may be working in your favor this year.

In addition, changes to your submitted project costs, found on your request details/budget page, may also be an indicator of a potential award. But, don't go out and request any bids yet. It's not a done deal until you actually receive the congratulatory email.

These potential signs of awards started to appear in the middle of November and should continue for many weeks.

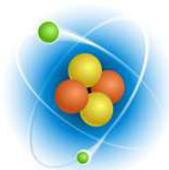
I sense FEMA wants to get the AFG program as a whole, back to its original intent, which was to schedule the Staffing for Adequate Fire & Emergency Response Grants in the late fall/early winter, Fire Prevention & Safety Grants in winter, and AFG in spring.

Another change, from what we have grown to expect, is that there will be no emails of the 10 or 12 questions prior to an award. The notifications will come after the award email asking the 10 questions and approval for any cost reduction, if necessary.

With this bit of movement planned to speed things up, I will go out on a limb and say the first actual awards will be handed out before the upcoming holidays. That, my friends, will be a gift we can all appreciate.

As this grant year comes to a close, I hope you all stay safe and that every department is prepared for either the thrill of victory.... or the agony of defeat! Remember, there is always next year.

[For the latest grant information visit the FEMA grant programs website.](#)



Chemical of the month by Alec Carte

Acetic Anhydride $(\text{CH}_3\text{CO})_2\text{O}$

Description:

- Synonyms: Acetic acid anhydride, ethanoic anhydride and acetyl oxide
- Clear, colorless liquid with a strong vinegar odor
- CAS No.: 108-24-7
- EPA Section 302 EHS: Not listed
- EPA Section 112R : Not listed
- EPA Section 304 EHS: Not listed
- OSHA Process Safety Management (PSM): Not listed

NFPA 704 Information:

- Health: 3
- Flammability: 2
- Reactivity: 1
- Special: None

Uses and Occurrences:

- Used in organic synthesis and in production of aspirin and wood preservatives

Reactivity and Fire Risk:

- Flash point: 121° F
- LEL: 2.7%; UEL: 10.3%
- Autoignition temperature: 600.8° F
- Vapor density (air = 1): 3.5
- Boiling point: 284° F
- Specific gravity (water =1): 1.08
- Reacts violently with water to generate acetic acid. Presence of mineral acids (nitric, sulfuric, perchloric, etc.) heightens this reaction
- Reacts violently with methanol, ethanol, glycerol and boric acid
- Potentially explosive reactions with strong oxidizers including barium peroxide, potassium permanganate and hydrogen peroxide
- Incompatibles include: Reducing agents, metals, amines, bases and alcohols

Health Hazards:

- OSHA PEL: 5 ppm (TWA)
- Immediately Dangerous to Life and Health (IDLH): 200 ppm
- Corrosive to any area of contact causing severe burns

Fire Fighting Measures:

- Extinguishing media: Water, alcohol resistant foam, carbon dioxide, dry chemical
- Use water in flooding quantities as fog
- Use water spray to knock down vapors
- Can release vapors that form explosive mixtures at or above the flash point
- Reaction with water may release a flammable and/or toxic gas

2008 Emergency Response Guidebook:

- Shipping name: Acetic anhydride
- Hazard Classes: Corrosive 8; Flammable 3
- UN/NA: 1715
- Guide # 137 Water Reactive - Corrosive
- Spill: Initially isolate 150 feet in all directions
- Table 1: Not listed

2010 Oregon Fire Code: Table 2703.1.1(1)

- Combustible liquid Class 2
- Maximum Allowable Quantities (MAQ) per control area:
 - Unprotected by sprinklers or approved storage cabinets: 120 gallons
 - In sprinklered building, not within approved storage cabinets: 240 gallons
 - In unsprinklered building, within approved storage cabinets: 240 gallons
 - In sprinklered building, within approved storage cabinets: 480 gallons
- Group when MAQ exceeded: H-2 or H-3

Incident Reporting and Information:

- Facilities reporting acetic anhydride on the Hazardous Substance Information Survey: 3
- Hazardous materials incidents reported in Oregon since 1986: 2

References include:

- <http://cameochemicals.noaa.gov/chemical/2276>
- Fisher Scientific, MSDS acetic anhydride
- Cayman Chemical Co., MSDS acetic anhydride
- NIOSH Pocket Guide 11/18/2010 (from web)
- EPA List of Lists, July 2011

For questions or suggestions contact Alec Carte at 503-934-8262 or email aleta.carte@state.or.us

Fire & life safety recognition



Supervising Deputy State Fire Marshal Bob Wright (left) and Corvallis Fire Chief Roy Emery (right) present Corvallis Fire Prevention Officer Jim Patton with his certificate for Fire Marshal with Fire Plans Examiner endorsement.

SDAO grants available

Members of the Special District Association of Oregon (SDAO), enrolled in their Special Districts Insurance Services General Liability Program, are eligible to apply for the Safety and Security Matching Grant to help fund safety and security related projects for their district.

Applications are due December 9, 2011 and available on the [SDAO website](#).

Co-op honors longtime member



The Klamath County Fire Prevention Cooperative honored long-time member Alvin Lawver (right) for his 27 years of service. Lawver, a natural resource specialist for the Oregon Department of Forestry, retired on November 17, 2011. Standing with Lawver is Kingsley Field Fire Marshal and incoming Cooperative President Jim Court.

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Fire Service Appreciation Day is January 27

The OSFM is reminding communities and fire agencies around the state that Friday, January 27, 2012 is Fire Service Appreciation Day in Oregon.

Please feel free to send in photos and stories of events in your community honoring the Oregon fire service. Send information to richard.hoover@state.or.us.

Red Cross seeking Breakfast of Champions nominations

The Oregon Red Cross is looking for nominations throughout Oregon for its annual Breakfast of Champions recognition.

Every year, at regional chapters around the state, the Oregon Red Cross honors local heroes for their extraordinary acts of courage, humanity, unselfishness, and commitment to community at their annual Breakfast of Champions.

Oregon Red Cross Heroes are selected based on how their unselfish and/or heroic acts:

- Save a life or positively impact lives
- Inspire the community
- Exemplify the Red Cross mission to help people prevent, prepare for, and respond to disasters and emergencies

Examples of past heroic acts include:

- Performing first aid or CPR to save a life
- Performing a water or wilderness rescue
- Helping others escape a house fire, car accident, or other life threatening situation
- A professional rescue that went above and beyond the line of duty or occurred when the rescuer was not working

The nomination deadline for the 16 counties that make up the Oregon Trail Chapter (northern Oregon) is December 10, 2011. However, you may nominate heroes for other regions at any time by contacting James Roddey at 503-528-5629 or roddeyj@oregonredcross.org. [Access the Oregon Trail Chapter online nomination form.](#)