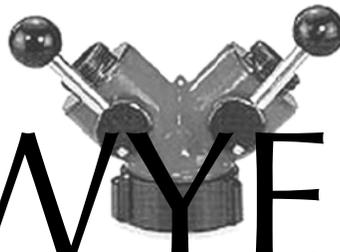


GATED WYE



January 2014 · Oregon Office of State Fire Marshal · 4760 Portland Road NE · Salem Oregon 97305-1760 · No. 360

OSFM calling for Sparky award nominations

The Office of State Fire Marshal has opened the nomination period for the Golden and Silver Sparky awards. The nomination period closes February 7, 2014.

The Golden Sparky recognizes a fire service member or fire agency for outstanding achievement in fire prevention or public safety education. The Silver Sparky recognizes a civilian or a civilian agency in either of the same categories.

Nomination forms are available on the OSFM website. Please submit your completed nomination form with an explanation and examples of the nominee's achievements. Additional award submission information is included on the nomination form.

State Fire Marshal Mark Wallace will present the awards at the Oregon Fire Prevention Workshop taking place March 5-7, 2014 at the Oregon Garden in Silverton.

For more information, contact Sally Cravinho at 503-934-8205.

Free prevention education materials available from OSFM

The OSFM has a pocket brochure covering three important areas of home fire prevention and safety available free to all Oregon fire agencies. The inside of the brochure contains facts about fire losses in Oregon along with three removable information cards covering home fire escape planning, smoke alarms, and home fire sprinklers.

Also available is a postcard size handout covering cigarette safety. One side of the postcard has an area available for departments to customize it with their name and logo if desired.

To request your free copies, contact Amy Roach at 503-934-8266 or email osfm.ce@state.or.us.



Folding brochure with three removable information cards.



Front and back of smoking safety information card.



“A new year is a chance to add to the tools in our toolbox that help us accomplish our mission.”

– SFM Mark Wallace

Commitments for 2014

What will the new year bring? It’s a common question often heard every January. For us in the fire service, we all hope the new year brings fewer fires, fewer deaths and injuries, and more stories of how people were saved because of prevention education, improved engineering, or better enforcement. But of course, none of these are guaranteed.

So, to bring about the changes we would like to see, maybe we shouldn’t be asking what the new year will bring to us, but what will we bring to it? We need to believe that we have the power to affect at least some of what we would like to see happen in 2014. This begins with the correct mind-set.

The start of a new year usually gives one a fresh sense of renewal and excitement. Let us commit to taking this “renewal and excitement” and use it to refocus our mind and rededicate ourselves to our collective efforts in prevention, preparedness, and response. Although your agency’s specific mission statement may not use these exact words, we can all relate them to our core overarching objectives.

A new year is a chance to add to the tools in our toolbox that help us accomplish our mission. By staying current on training, making an effort to get new and varied training, and keeping an open mind, we can wield our tools with more effectiveness than ever before.

The only thing I am sure of about 2014 is it won’t be a duplicate of 2013. Things change, and the OSFM will remain flexible in order to adapt and respond to moving targets. We are committed to taking advantage of opportunities in all areas of prevention, preparedness, and response while continuing to focus on our mission of protecting citizens, their property, and the environment from fire and hazardous materials.

I am committed to designing better approaches that help us meet our mission. We will do whatever we can in 2014 to serve you better.

see **SFM Wallace** page 3



**State Fire Marshal
Mark Wallace**

**Office of
State Fire Marshal**

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503-934-8200**

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Services
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Fire & Life Safety Education
503-934-8236

Community
Right-to-Know
503-934-8238

Data Collection & Research
503-934-8273

Emergency Planning and
Response
503-934-8238

Fire & Life Safety
503-934-8256

License & Permits
503-934-8264

Youth Prevention
& Intervention
503-934-8240



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 email richard.hoover@state.or.us. In compliance with the Americans with Disabilities Act, alternative formats of this publication are available.

SFM Wallace

continued from page 2

I am committed to continuing traveling around the state to visit as many fire departments and fire defense board meetings that my schedule allows.

I've always had an open door policy here at the OSFM, and I extend that courtesy to all members of the Oregon fire service.

If you have any suggestions on how we can serve you better or any other ideas, you are welcome to contact me at 503-934-8216 or mark.wallace@state.or.us.

January 27 is Fire Service Appreciation Day

In 2007, the Oregon Legislature passed House Joint Resolution 25 designating every January 27 as Fire Service Appreciation Day in Oregon.

As part of the resolution, the Legislative Assembly and the Office of State Fire Marshal encourages partnerships between citizens and the Oregon fire service to use this day to honor the service of past and present members of the fire service.

State Fire Marshal Mark Wallace encourages all fire agencies to send in photos and a description of the event your community holds so we can recognize it in a future issue of the Gated Wye newsletter.



Contact Rich Hoover at richard.hoover@state.or.us or 503-934-8217.

Remember you can follow us
on
Facebook and Twitter



January training set for *Start Safe: A Fire and Burn Safety Program for Preschoolers and their Families*

The OSFM Youth Fire Prevention and Intervention Program, in partnership with the National Head Start, Safe Kids Worldwide, and Safe Kids Oregon are hosting a free training on *Start Safe: A Fire and Burn Safety Program for Preschoolers and their Families*, January 23, 2014, from 9:00 a.m. to noon at the OSFM office, 4760 Portland Road N.E., Salem, Oregon. Registration and all training materials are free. Community representatives (schools, preschools), Head Start personnel, and fire service educators are invited to attend.

Start Safe is designed to help teachers and fire educators reach parents and caregivers with key safety messages and help them take action to reduce the risk of fires and burns at home. Curricula are designed individually for teachers and fire educators.

To date, 450 members of Oregon's fire service and Head Start programs representing 46 communities have participated in *Start Safe* trainings.

Register via the [Office of State Fire Marshal website](#). The registration deadline is Monday, January 17, 2014.

For more information, contact the Youth Fire Prevention & Intervention Program at YouthFirePrevention@state.or.us or call Krista K. Fischer at 503-934-8240.

Sign up for the OSFM Fire Prevention Listserv

Sign up for the OSFM Fire Prevention Listserv (email group) to receive information about fire prevention and life safety educational training, resources, and materials.

The list provides a venue to share information with members of the Oregon fire service and other interested parties. As a list member you will be able to contact and communicate with more than 250 fire prevention and safety educators via email.

[Online sign up is available here.](#)

OSFM recruiting for incident management team positions

The Oregon Office of State Fire Marshal has opened recruitment for the following vacant incident management team positions:

Team vacancies

- **Deputy Incident Commander**
- **Assistant Safety Officer**
- **Law Enforcement Officer**
- **Resource Unit Leader**
- **Communications Unit Leader**
- **Assistant Communication Unit Leader**

Trainees are also needed for the following positions:

- **Incident Commander**
- **Safety Officer**
- **Planning Section Chief**
- **Communication Unit Leader**
- **Assistant Communication Unit Leader**
- **Communication Unit Technician**

Recruitment is open until January 13, 2014.

[Details and applications are available on the OSFM website.](#)

The OSFM's three incident management teams provide comprehensive incident command to manage ongoing emergency operations. Those selected as IMT members are expected to make a three year commitment to participate on the team, and their employer must provide an agency vehicle for IMT deployments.

Save the date for NFA training coming to Salem

The OSFM and Department of Public Safety Standards and Training are hosting two National Fire Academy courses in June 2014. The training will be held at the Oregon Public Safety Academy in Salem, Oregon.

- Youth Firesetting Prevention and Intervention: **Level II**, June 5-6, 2014
- Politics and the White Helmet, June 3-4, 2014

Youth Firesetting Prevention and Intervention: Level II is a two-day course based on the requirements of NFPA 1035 for Youth Firesetting Prevention and Intervention Specialist Level II. The course is designed for the person responsible for managing, developing, leading, and evaluating a youth firesetting prevention and intervention program.

Politics and the White Helmet is a two-day course providing chief officers in fire and EMS agencies with an overview of ways to succeed and work within multiple levels of the political system (local, county, and state). The course identifies the tools needed to successfully address the challenges necessary to bring about change. Training will look at the importance of a department's culture of power, influence, negotiation, and coalition building to be successful in gaining the support and understanding of citizens and others concerning the needs of the fire service.

Registration times and other information will be forthcoming.

NIOSH Respirators User Notice: Chemical Warfare Agents

The National Institute for Occupational Safety and Health (NIOSH) has issued a [Respirators User Notice](#) stating that an error was made during recent testing of SCBA that calls into question the ability of some SCBA to meet NIOSH and NFPA standards for protection against chemical warfare agents.

The NIOSH notice states that agents used in testing from July 2012 through October 2013 were less than that required by NIOSH test procedures and therefore SCBA cannot be validated as in compliance with the CBRN standards until retesting is completed. NIOSH is working with both SCBA manufactures and NFPA to address the issue.

The International Association of Fire Chiefs recommends its members review the [NIOSH Respirators User Notice](#).

DATA Connection

News from the Data Collection & Research Unit
by Program Coordinator Dave Gullledge

The importance of incident reporting

The fire service, Office of State Fire Marshal, and outside agencies all have critical needs for incident data:

- Your department can use the data to measure the effectiveness of its operations, identify problems, improve resource allocation for combating fires, and identify training needs. By analyzing your incidents and examining trends, you can answer several questions, such as: *How are we doing on response times? Why are an unusual amount of fire service injuries occurring? Is an education program needed to reduce fires of a particular cause?* Data helps to measure the effectiveness of your operations, and is required to apply for grants.
- The OSFM and outside agencies need incident data to educate the public in death and injury prevention, protection of its property and contents, and the range of services that the fire service provides. We furnish data for fire departments, communities, and other health and safety organizations to qualify for grants and funds. In addition, we contribute data to identify and support changes in fire and building codes, and address consumer product recalls.

Additionally, every fire chief is required to provide the OSFM with a full report of every fire occurring within their jurisdiction (ORS 476.210). The officer conducting a fire investigation is required to furnish a report to OSFM within seven days of the incident (ORS 476.220). This allows us to respond to requests for information regarding recent incidents. It also allows for timely identification and analysis of trends occurring within the state.

Your department's data is an important part of the Oregon fire picture, portrayed in the OSFM Supplement to the Annual Report. Your data is also submitted to the National Fire Incident Reporting System (NFIRS), the national database, and included in overall U.S. fire analysis.

Fire department incident data is used to market the importance of what the fire service does, thereby ensuring those inside and outside the industry will better understand the fire service's role and value. This may translate into more resources and financial support for the fire service. If the data is not provided, or isn't accurate, the fire service may struggle to justify its budgets, resources, and worth.

"For the fire service to be effective today, the need for good documentation is crucial for showing its worth in this time of budget constraints and cuts."

– Marion A. Long, National Fire Data Center,
U.S. Fire Administration

It's that time of year again!

All NFIRS reports for 2013 need to be entered into Fire Bridge (or text files submitted to the OSFM) by January 31, 2014.

NFIRS reports with 100% validity are submitted to the National NFIRS database. However, reports with less than 100% validity still can and will be used at the state level for analysis. Please enter/submit your reports even if they are not complete. Reports can be corrected or updated at any time with additional information.

For questions about end of year reporting or how to check to make sure all your reports are 100% valid, please contact the OSFM Data Collection & Research Unit.

A sincere thank you to all of the people that have taken the time to capture, enter, or submit their agency's incident data. Your efforts are not only truly appreciated, they do make a difference!

Happy New Year

from the staff in OSFM's
Data Collection & Research Unit.

Questions? Please contact the Data Collection & Research Unit at 503-934-8250, toll free at 877-588-8787, or email osfm.data@state.or.us.

Fire grant update

by Hines Asst. Chief/Grant Writer Jonathan Manski

The 2013 Assistance to Firefighters Grant statistics are in. Nationally, there were 10,692 applications; about 28% were vehicle applications. In 2012, AFG produced 11,660 applications, 2011 had 16,494. The trend is clear, the reasons are not. This year the 2013 program funding was flat at \$288,828,075.

Oregon submissions continue a downward trend, resulting in the fewest number of applications since my records started in 2003.

Only 111 applications from Oregon departments were submitted. This is a far cry from the 139 submitted in 2012, 179 in 2011, and our 10 year average of 206 applications.

It seems the bulk of the downward trend is coming from rural volunteer departments. That's too bad because generally speaking, many of those folks have significant needs. A lack of dedicated grant writers, additional online requirements of SAM (System for Award Management), and shortages of networking contacts may all be playing a roll.

If you submitted an application this year, there are some signs (unlike the recent Mega Millions lottery), your chances of success may have actually gotten better. The availability of "micro grants" for those requesting less than \$25,000 in federal funding, may present better success opportunities. The AFG office doesn't have statistics for the number of micro grant submissions at the time I write this column, but this suggestion from previous years has finally taken hold and we should see these benefitting smaller departments. In Oregon, I'm guessing there were 18 micro grants, based on federal dollars requested.

Here is the Oregon AFG breakdown:

- 15 departments submitted two applications,
- 81 departments/organizations submitted one application,
- 77 were Operations & Safety applications,
- 33 vehicle applications,
- 1 state fire training academy application.

There were four Regional applications, and two grant requests submitted by non-affiliated EMS organizations.

Of the 111 submitted applications:

- 13 described themselves as career departments,
- 74 were combination departments,
- 20 were volunteer departments,
- 4 were described as paid-on-call departments,
- 6 departments classified themselves as urban,
- 24 departments as suburban and,
- 80 identified their department as rural.

The federal share of dollars requested ranged from a low of \$10,800 to a high of \$1,060,116. The total for all requested funds was more than \$22.3 million.

On a bright note, the 2013 Staffing for Adequate Fire and Emergency Response hiring grants have been handed out like hotcakes to Oregon departments. In the first two rounds alone, Oregon has received 22% of the total awards. But this may be an indication we were (are) in deeper financial trouble than many other states.

The 2013 fire prevention grants program documents just went public, so let's look for the start of that program just after the new year.

[Visit the FEMA fire grants webpage](#) for more federal grant information.

SAFER grants have \$20M for Veterans Hiring Program

The FY 2013 Staffing for Adequate Fire and Emergency Response grant program has set aside \$20 million for the Veterans Hiring Program. This provides successful FY 2013 SAFER grant program awardees with the opportunity to request additional Hiring Grant funds should they recruit and hire military veterans to fill the SAFER-funded positions.

Dates for the FY 2013 application period are not yet final so departments still have an opportunity to apply.

If you have any questions about the FY 2013 Veterans Hiring Program, contact the SAFER Grants Help Desk at 866-274-0960 or email firegrants@fema.dhs.gov.



Isobutanol (Isobutyl Alcohol) $C_4H_{10}O$

Description:

- Isobutanol is an isomer – isomers have the same molecular formula but different chemical structure
- Other isomers are n-butanol, 2-butanol, and tert-butanol
- Synonyms: 2-Methyl-1-propanol; IBA
- Colorless liquid with an aromatic or sweet, musty odor
- CAS No.: 78-83-1
- EPA Section 302 EHS: Not listed
- EPA Section 112_R: Not listed
- EPA Section 304 EHS: Not listed

NFPA 704 Information:

- Health: 2
- Flammability: 3
- Reactivity: 0
- Special: None

Uses and Occurrences:

- Manufactured and produced naturally by bacteria
- Used as a solvent and varnish remover

Reactivity and Fire Risk:

- Stable
- Flammable
- Flash point: 82° F
- LEL: 1.2%; UEL: 10.9%
- Autoignition temperature: 800° F
- Vapor density (air = 1): 2.55
- Specific gravity (water = 1): 0.8
- Boiling point: 226° F
- Flammable and/or toxic gases are formed by combining alcohols with alkali metals, nitrides, and strong reducing agents
- Incompatibles include strong oxidizing agents, acid chlorides, and acid anhydrides
- May react with cellulose based absorbents

Health Hazards:

- OSHA PEL: 100 ppm (TWA)
- IDLH: 1600 ppm
- Severe eye irritant
- Skin and respiratory irritant
- Inhalation of vapors may cause drowsiness and dizziness

Fire Fighting Measures:

- Soluble in water
- Extinguishing media: Appropriate foam, dry chemical, carbon dioxide, water fog
- Use of water spray may be inefficient
- Vapors may travel to a source of ignition and flash back
- Vapors are heavier than air and may spread along the ground and collect in low areas
- Use water spray to cool containers

2012 Emergency Response Guidebook:

- Shipping name: Isobutanol or Isobutyl alcohol
- Hazard Classes: Flammable Liquids (3)
- UN/NA: 1212; Guide # 129 Flammable Liquids (Polar/Water Miscible/Noxious)
- Spill: Initially isolate 150 feet in all directions
- Large spill: Consider evacuating 1,000 feet

2010 Oregon Fire Code: Table 2703.1.1(1)

- Flammable liquid Class IC
- 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 isobutanol or isobutyl alcohol on the Hazardous Substance Information Survey: three
- Hazardous materials incidents reported in Oregon since 1986: none

References include:

- [Cameo chemicals – Isobutanol](#)
- [Fisher Scientific – MSDS Isobutyl alcohol](#)
- [CDC Niosh Pocket Guide – Isobutyl alcohol](#)
- [Sigma-Aldrich. – MSDS Isobutyl alcohol](#)
- [EPA List of Lists, October 2012](#)

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

School guide to evacuation planning available free

The OSFM is offering a free guide to evacuation planning for schools to all schools and fire departments in Oregon. The *“Do the Drill: A School Resource Guide to Evacuation Planning”* provides information about conducting drills for fire, earthquake, shelter-in-place, and lock down in schools.

The guide is intended to ensure consistency in the messaging about school fire evacuation planning, drills, and reporting. The OSFM recommends using the [Emergency Evacuation Drill Record](#) (page 17) to record monthly emergency evacuation drills required by ORS 479.041(1) if the fire department, school district, or local school does not have a standardized form.

The guide was developed in partnership with representatives from the Oregon Fire Marshals Association, Oregon Code Committee, Oregon Emergency Management, the Oregon Department of Education, the School Resource Officers Association, and Special Districts Association of Oregon.

The guide is available for viewing online. Request copies by filling out the [online order form](#) and emailing it to krista.fischer@state.or.us, or fax it to 503-373-1825.

For questions or additional information, contact the OFSM Youth Fire Prevention & Intervention Program at 503-934-8240.



Burn Awareness Week is February 2-8

“Hot liquids burn like fire!”

That’s just one of the messages the Oregon Burn Center, American Burn Association, and the Office of State Fire Marshal’s Youth Fire Prevention and Intervention Program want you to remember during Burn Awareness Week, February 2-8, 2014.

Anyone can sustain a scald burn, and scald injuries affect everyone. Young children, older adults, and people with disabilities are more likely to be scalded according to information provided by the Oregon Burn Center and the American Burn Association.

“These individuals, when injured, are more likely to require hospitalization, suffer complications, and experience a difficult recovery,” says OSFM Youth Fire Prevention & Intervention Program Coordinator Krista Fischer. “Most burn injuries occur in the home, usually in the kitchen or the bathroom. Many scald injuries can be prevented through awareness of the increased hazards leading to scalds, and by making simple environmental or behavioral changes.”

Tips to share with parents and caregivers:

- Use only battery powered candles
- Set the water heater thermostat to less than 120 degrees Fahrenheit
- Keep hot liquids and foods from the edge of tables and counters
- Use lidded cups for hot beverages
- Keep all matches and lighters in a locked cabinet
- Turn pot handles toward the back of the stove
- Keep children three feet away from the stove
- Avoid holding a child and something hot at the same time
- Teach children to recognize things that are hot and to stay away from them

For more information on participating in Burn Awareness Week, visit the [Burn Awareness Association webpage](#) or email youthfireprevention@state.or.us.