

OREGON OFFICE OF STATE FIRE MARSHAL ANNUAL REPORT 2015





The Office of State Fire Marshal's successes are not possible without the hard work and dedication of our staff, partnerships with the organizations we serve, and the support of all Oregonians.

This year's report highlights our commitment to the organizations we serve and our focus on the importance of relationships and collaboration with our partners. You will read about outstanding accomplishments carried out by our programs.

- The impressive response of the Oregon fire service on behalf of the OSFM during wildfire season was a huge accomplishment. At one point, there were 19 different task forces and strike teams with more than 300 structural firefighters deployed to several incidents. They protected nearly 2,600 threatened structures worth more than \$295 million.
- Partnerships with Oregon State University and the University of Oregon sports programs were successful in promoting fire prevention and smoke alarms to the varied fan base of both universities, and in building OSFM brand awareness to new audiences. Our commitment to leveraging our partnerships with Oregon fire agencies, the American Red Cross, and the Oregon Youth Authority led to our successful distribution of 6,249 smoke alarms for installation in homes across Oregon.
- A collaboration between first responder agencies, local communities, and railroad operators resulted in the successful passage of House Bill 3225, authorizing the OSFM to coordinate contingency planning and training in preparation for an incident involving the transport of crude oil by rail.
- OSFM leadership and staff collaborated to create the 2015-2019 Strategic Plan organized around three themes: Partnerships and Collaboration, Leading Edge, and Strengthen and Diversify.

I want to recognize the hard work and dedication of our many fire service committees and boards. The commitment those of you in the fire service continue to display towards the safety of Oregonians made 2015 a hugely successful year.

On behalf of myself and OSFM staff, thank you for your continued support and enthusiasm of the work we do to protect the lives of Oregonians, their property, and the environment from fire and hazardous materials.

A handwritten signature in black ink that reads "Jim Walker". The signature is fluid and cursive, with a long horizontal stroke at the end.

Jim Walker
Oregon State Fire Marshal

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Mission

Protecting citizens, their property and the environment from fire and hazardous materials.

Vision

Premier Public Safety Services

Values

PROFESSIONALISM

We are a highly skilled and competent workforce.

CREDIBILITY

We demonstrate trust and accountability through our actions.

COLLABORATION

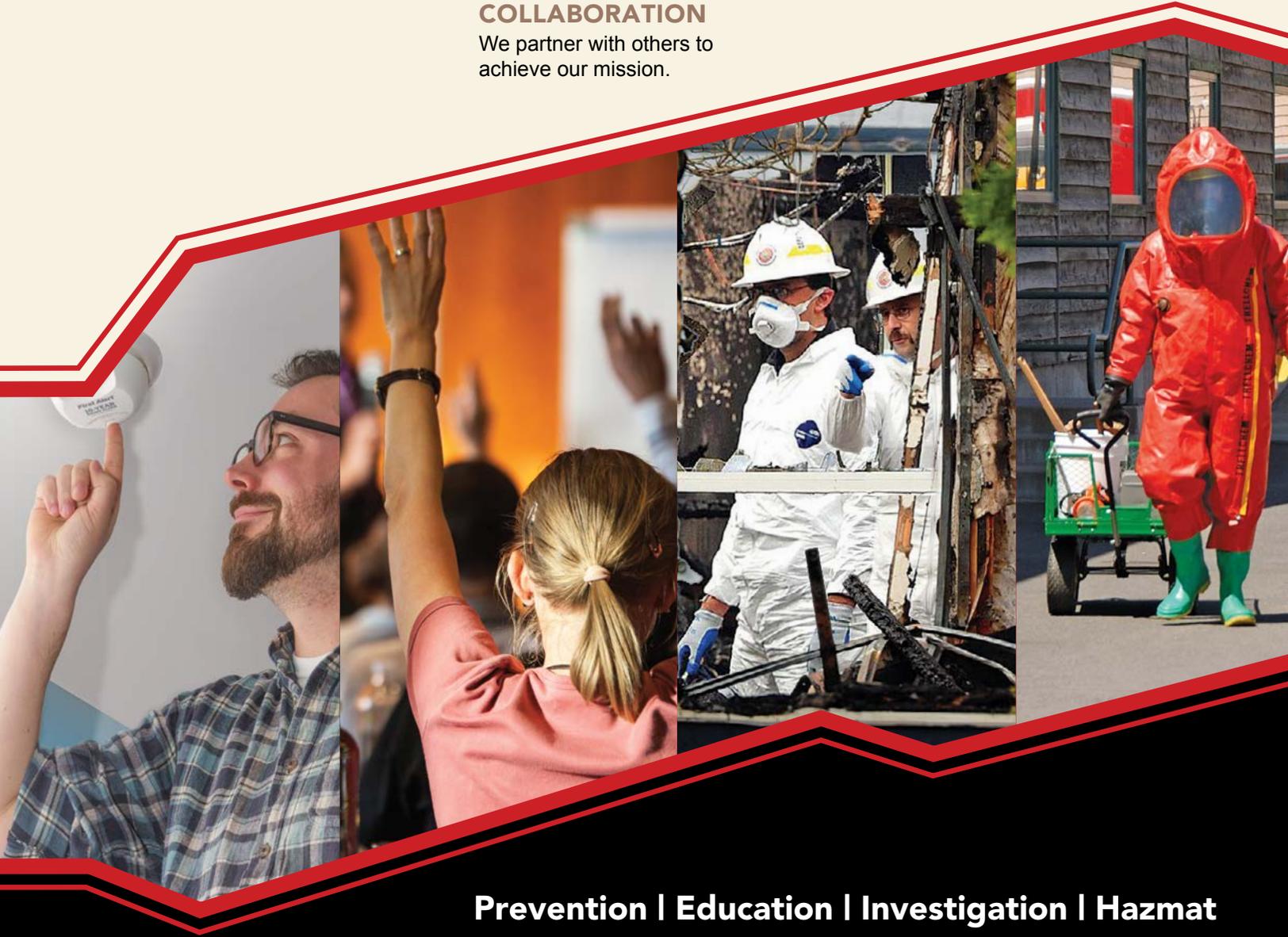
We partner with others to achieve our mission.

LEADERSHIP

We are dedicated to an environment for success.

DEDICATION

We believe our mission is worthy of our efforts.



Prevention | Education | Investigation | Hazmat

OSFM ADMINISTRATION

The OSFM Administration Branch provides division-wide support in administrative rules, legislative tracking, fire service mobilization, and administrative support to the Governor's Fire Service Policy Council. Staff develop and maintain productive collaborative relationships with fire service partners and stakeholders.

In 2015, the Governor's Fire Service Policy Council continued to provide advice and guidance on issues of common interest, policies, and topics that affect the fire protection and life safety of Oregonians. It was a busy year for the GFSPC working to fill a number of vacant seats and chartering three new task forces:

- 1) The Reduced Law Enforcement Task Force, chartered to determine the impact of reduced law enforcement response capacities on the Oregon fire service.
- 2) The Statewide Apparatus Numbering Plan Task Force, chartered to determine the feasibility of a statewide fire apparatus numbering system and unified fire department rank structure.
- 3) The Oregon Firefighter Injury Statistics Task Force, chartered to accurately capture Oregon firefighter casualty data.

This year the committee also saw the departure of long-time board member/president Greg Keller. Greg closed out six active years on the committee, highlighted by the committee receiving the prestigious Paul S. Sarbanes Fire Service Safety Leadership Award from the Congressional Fire Services Institute. The award recognized the committee's work to identify

and quantify the airborne hazards present after a fire is extinguished. Findings from the study resulted in a best practices guide for first responders to help mitigate effects of exposure to smoke and other toxins.

The Mobilization Plan Committee, led by the OSFM, hosted the 2015 Fire Defense Board Chiefs Annual Meeting and Training to approve changes to the 2015 Oregon Fire Service Mobilization Plan and to train fire defense board chiefs on implementation of the plan. This collaborative document allows the chiefs to request and deploy resources more effectively.

The OSFM staffed the Agency Operations Center throughout each conflagration during the historical 2015 wildfire season. When the governor invokes the Emergency Conflagration Act, the OSFM mobilizes structural fire resources statewide and coordinates with all appropriate fire defense board chiefs to activate personnel and equipment to protect threatened structures. The mission of the AOC is to ensure accountability of deployed resources from local fire agencies by maintaining constant communication with those resources during mobilization and demobilization of an incident.

The OSFM coordinates three all-hazard incident management teams that have expertise in command,



operations, logistics, finance, planning, public information, and safety. The IMTs participate in annual training to enhance their response, coordination, and operations during declared conflagrations or other emergencies. These teams, during the 2015 wildfire season, were mobilized at the same time in some cases due to the severity of the threats to residences and property.

In expanding government to government tribal relationships, the OSFM is actively involved with tribal public safety cluster meetings and enhancing the OSFM's relationships with tribal sovereign nations.

OSFM's leadership team was closely involved in the planning for the upcoming 2016 statewide emergency response exercise, Cascadia Rising. The exercise depicts a large magnitude Cascadia Subduction Zone earthquake. This is one of the most complex disaster scenarios we face as a public safety agency. Effective response will hinge on the coordination and integration of government at all levels and will heavily involve all three incident management teams managed by the OSFM.

The Administration Branch actively supports a number of OSFM staff members who serve on the Oregon Fire Service Honor Guard. The Honor Guard recognizes those who have made the ultimate sacrifice by giving their lives in the line of duty.

Sparky Awards

Every year, the OSFM Golden and Silver Sparkys are awarded to a deserving fire service member and civilian or group for their fire prevention efforts.

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 civilian agency in either of the same categories.

Jim Patton, Corvallis Fire Department/Oregon State University Fire Prevention Officer (Campus Fire Marshal), was awarded the Golden Sparky. Patton has been a pioneer in developing and implementing advanced campus fire safety programs to reach students and faculty at Oregon State University, throughout Oregon, and nationally. His efforts have clearly led to a lower fire loss for more than 29,000 students and 6,000 faculty members in nearly 200 facilities on and around the OSU campus.

Simone Carter, Legacy Emanuel Trauma Prevention & Community Education Coordinator, was the recipient of the Silver Sparky. Carter is a true advocate for public fire safety and the safety of older adults who are most at risk of fire deaths and falls. She serves on a number of community boards that provide a variety of injury prevention education or services including City of Portland Gang Task Force, Healing Hurt People, Safe Kids Oregon, and Safe Kids Portland Metro partners. She is also certified to teach the OSFM Take the Right Steps – fire and fall prevention and safety for older adults program.





Fire Service Appreciation Day

The OSFM participated in Fire Service Appreciation Day in January. State Fire Marshal Jim Walker encouraged communities across Oregon to show appreciation to everyone involved in the fire service for their dedication and commitment to helping others. Oregon follows the national trend with approximately 70% of firefighters in the state performing their duties as volunteers. Fire Service Appreciation Day is an opportunity for everyone to say thanks to volunteer and full-time firefighters alike for their time, talent, and sacrifice.

2015 Legislative Session

The following bills affecting the OSFM or Oregon fire service were passed during the 2015 session.

HOUSE BILL 2432

House Bill 2432 expands the list of properties for which permits to use and explode fireworks to repel birds or other animals may be issued. It requires the OSFM to issue permits if proposed use complies with applicable laws and rules. It requires fireworks to be purchased from a licensed wholesaler and stored in accordance with fire codes adopted by the OSFM. This bill authorizes the OSFM to revoke a permit if the permit holder has violated certain laws or rules applicable to fireworks, and exempts federal and state agencies from permit requirements for use in control of predatory animals.

HOUSE BILL 3011

Oregon and New Jersey are the only states that do not allow for self-dispensing of gasoline at retail fueling stations. Oregon's prohibition dates back to 1951.

House Bill 3011 specifies that, in counties with a population of less than 40,000 residents, the owner or operator of a retail fueling station may, if they choose to do so, permit non-employees to dispense fuels into a motor vehicle or other retail container between the hours of 6:00 p.m. and 6:00 a.m.

HOUSE BILL 3225

In July 2014, the U.S. Department of Transportation proposed new rules aimed at improving the safety of trains carrying large shipments of crude oil and ethanol. Thousands of older tank cars will be phased out within two years under the regulations. The regulations apply to trains of 20 or more cars carrying flammable materials like crude oil. The rules would reduce the speed of oil trains to 40 miles per hour, require better classification of crude oil, and mandate enhanced braking systems for trains carrying flammable materials.

House Bill 3225 requires the OSFM, as part of effective implementation of a statewide hazardous material emergency response system, adopt by rule a plan for coordinated response to oil or hazardous material spills or releases that occur during rail transport. The bill mandates a report be submitted by the OSFM to the legislative assembly that addresses issues related to oil and hazardous material emergency response for rail transport.

SENATE BILL 886

The OSFM Fire & Life Safety Services Branch conducts inspections, investigates fires, and provides technical assistance to community organizations, industry associations, and local fire and building officials on fire and life safety issues. The branch oversees 18 deputy state fire marshals across Oregon, whose responsibilities include conducting inspections of schools and correctional facilities, reviewing building plans, and providing code consultations. State law provides authority for deputy state fire marshals to inspect any structure except private residences.

Senate Bill 886 requires the State Fire Marshal, deputy, or assistant to the State Fire Marshal, or person acting for a governmental subdivision who inspects structures and who issues citations or orders for nonconformity with fire safety standards, to include reference to specific law, regulation, rule, or other source of authority that establishes the fire safety standard and plain statement of facts upon which citation or order is based.

Incident Management Teams

The OSFM's three Incident Management Teams responded to six large fires during the 2015 fire season. Nearly 2,600 structures were documented as threatened; 94% of those were saved. The saved properties totaled more than \$295 million in value.

The OSFM's partnerships were integral to the success of the 2015 fire season. Prior to the start of every wildfire season, Emergency Response Services Branch staff work with partners in the Pacific Northwest Coordinating Group, Northwest Coordination Center, Oregon Emergency Management, Department of Forestry, and Department of Transportation to build working relationships prior to spending time together in the field. These relationships help to expedite resource requests, integrate into unified command, coordinate the release of information to media and the Governor, and obtain federal monetary assistance.

The response from members of the Oregon fire service on behalf of the OSFM was a huge accomplishment during the 2015 season. At one point, there were 19 separate task forces and strike teams deployed to three incidents, made up of apparatus and personnel from at least 19 counties, not to mention the departments who mobilized IMT members. All in all, more than 100 departments supplied personnel or equipment on behalf of the OSFM. The ability of our Agency Operations Center staff to mobilize so many resources is a testament to the Oregon fire service's ability to band together in times of need.

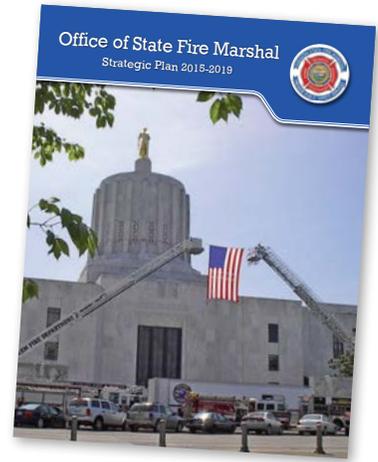
Prior to the 2015 fire season, the OSFM was in a position to invest in new communications technology, which markedly improved our ability to communicate during incidents. The procurement of two CODAN repeaters and 150 Bendix King radios has proven to be an excellent investment.





Strategic Plan

The OSFM created a strategic plan for 2015-2019. The plan was developed over the course of six months, and input was gathered from staff throughout the agency. It is organized around three themes: Partnerships and Collaboration, Leading Edge, and Strengthen and Diversify. Within each theme are the OSFM's unified goals, objectives, and strategies. The strategic plan is meant to be a working tool for agency leadership and staff and sets the direction for the OSFM, allowing the leadership to evaluate performance and take appropriate action. A work group is being established to monitor the objectives for measurable results within specific time frames. The group is creating a baseline metrics 'dashboard' to support the OSFM's strategic plan, annual report, budget, and key performance measures.



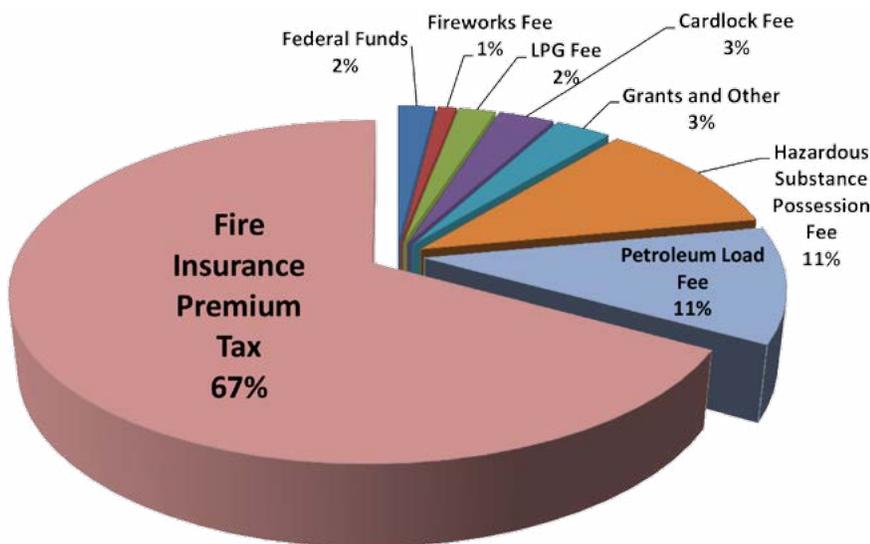
Budget

The legislative approved budget for the biennium July 1, 2013 to June 30, 2015, allowed the OSFM to operate with \$20,568,788 to accomplish the mission of protecting Oregonians from loss of life and property from fires and hazardous materials. The OSFM's Legislative approved biennial budget for 2015-2017 is \$20,582,890.

The following criteria guide budget development:

- Develop budget needs based upon identified program priorities and goals
- Provide mandated services effectively and efficiently
- Measure outcomes
- Coordinate delivery of emergency services and support for fire, hazardous materials response and structural collapse for local communities
- Plan, develop, and promote statewide fire prevention strategies, initiatives, and models
- Maintain involvement in, and coordination of, multi-jurisdictional teams and task forces
- Focus efforts towards partnerships that produce results for community-based protection, education, and intervention needs
- Continue development of, and investment in, automation and communication technology to improve services and meet our mission

OSFM Funding Sources



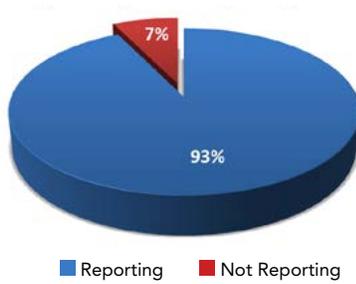
OSFM Office Move

After 25 years in our current location, we are preparing to move into a new building in June 2016. In preparation for the move, the OSFM has reorganized and filled vacant positions, allowing us to become fully staffed. In conjunction with the move to the new building, the OSFM began the effort to become a paperless agency via our Laserfiche Scan & Store Project. Each branch developed a working template and workflow to transfer their documents from paper to digital storage. Currently five units are up and scanning, covering twelve programs within the OSFM. Additional templates and workflows are in various stages of production. We estimate the agency has more than 2.6 million pieces of paper to scan. We have made great strides and are on target for completion to coincide with our planned relocation.



2015 OREGON FIRE STATISTICS

Fire Agencies Reporting



Types of Fires

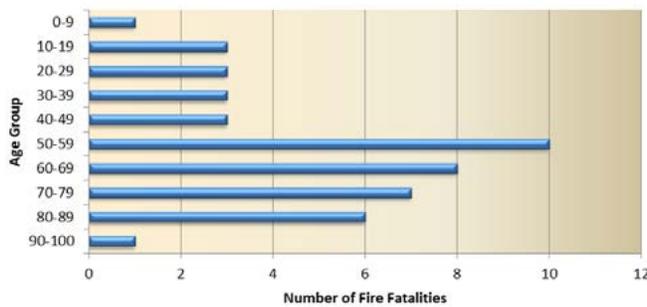


Estimated Dollar Loss (in millions)

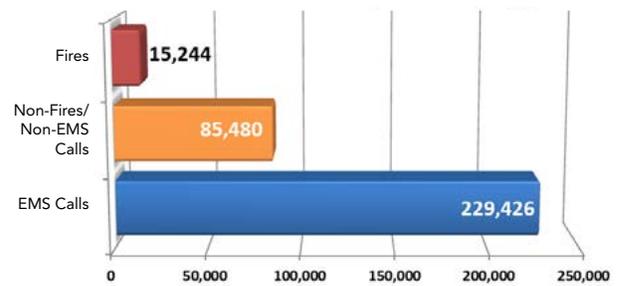
Residential vs. Non-residential



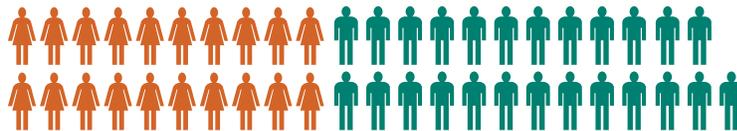
Fire Fatalities by Age Group



Statewide Incident Responses by Type



45
Fire Fatalities



YOUTH FIRE PREVENTION AND INTERVENTION

6,913

Elementary school curriculums and supporting materials distributed

907

Middle school curriculums and supporting materials distributed

696

Schools received curriculums and supporting materials

ADULT FIRE PREVENTION AND SAFETY

Smoke Alarm Installation Program

215
People Trained

104
Fire and Other Agencies Trained

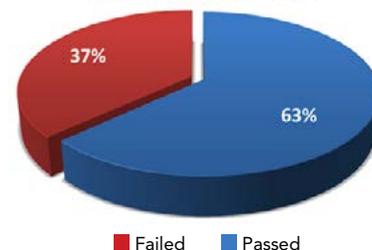
6,249
Smoke Alarms Distributed

FIRE AND LIFE SAFETY INSPECTIONS

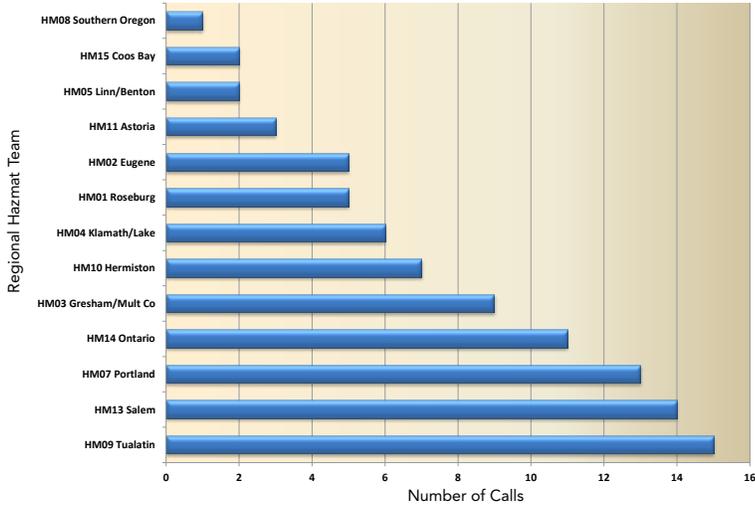
1,379
Total Inspections

2,898
Violations Identified

Fire and Life Safety Inspections Pass/Fail Initial Inspection



STATE HAZMAT TEAM RESPONSES



HAZMAT RAIL SAFETY

67
OSFM Hazmat Team
Technicians Trained

761
First Responders Trained
by Rail Companies



FIREWORKS

13 Fireworks Wholesaler Permits	747 Retail Sales Permits
364 Fireworks Display Permits	12 Agricultural Permits

COMMUNITY RIGHT TO KNOW

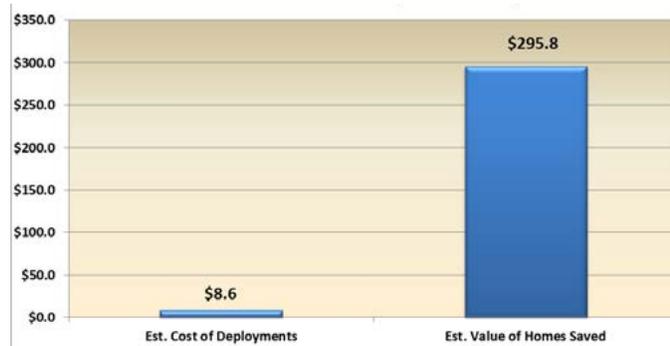
12,264 Facilities Reporting Surveys	646 Off-Site Audits	205 On-Site Audits
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LIQUEFIED PETROLEUM GAS

315 LPG Exams Administered	501 Company Licenses Issued
585 Employee Licenses Issued	304 Residential Tank Installation Inspections

INCIDENT MANAGEMENT TEAMS

IMT Deployments Value Saved vs. Cost (in millions)



IMT Resources Deployed

for **1,134** Hours

Homes Involved
in Conflagrations



Structures Involved
in Conflagrations



CARDLOCK

Inspections were
completed on all:

327 Cardlock Fueling Sites	84 Cardlock Operators
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FIRE & LIFE SAFETY EDUCATION

The Fire & Life Safety Education Branch houses the Analytics and Intelligence Unit, the Adult Fire Prevention and Safety Unit, and the Youth Fire Prevention and Intervention Unit. Through the efforts of these units, the branch works toward its mission of reducing Oregon's residential fire deaths, injuries, and property loss.

Smoke Alarm Installation Program

The Smoke Alarm Installation Program provides funding assistance and smoke alarms to Oregon fire agencies to install alarms in at-risk residences. This year, staff trained 215 representatives from 96 Oregon fire agencies and eight other agencies on the program. Forty-four fire agencies, the American Red Cross, and the Oregon Youth Authority participated in the program with 6,249 smoke alarms distributed. Also, a program evaluation was completed and adjustments were made to improve and streamline the program. For more information on the evaluation or the program, visit the OSFM website. Additionally, the program provided more than 60 smoke alarms for the Deaf or hard of hearing.

Smoke and Carbon Monoxide Alarm Law Training

The AFP&S Unit provides educational presentations on Oregon's smoke and carbon monoxide (CO) alarm laws to real estate professionals involved with selling or renting residences. This training helps protect Oregonians by increasing awareness and compliance of smoke and CO alarm laws. Staff provided training for more than 100 agents from six real estate agencies.

The OSFM petitioned the Oregon Real Estate Board and was approved to become a continuing education provider for real estate agents on the smoke and CO alarm law courses. AFP&S is developing a comprehensive training program in 2016 and will be seeking additional qualified instructors from local fire agencies throughout the state.



Oregon Life Safety Team

The Oregon Life Safety Team implements statewide fire prevention and safety education messages and endorses, promotes, and distributes educational materials. Team members include representatives from Oregon fire agencies and local, state, and federal organizations.

The OLST met seven times during 2015 and conducted informational sessions on *Changing American Families*, window falls, training tools to engage audiences, wildfire awareness, Oregon fire casualty data, Fire Prevention Month, cigarette fires, older adult fire and fall prevention, smoke and carbon monoxide alarm laws, and other topics. Fire prevention materials were updated for recreational vehicle fire safety and smoke and carbon monoxide alarms. All of these efforts improve the coordination and implementation of consistent statewide fire prevention education for the safety of all Oregonians.

Wildland-Urban Interface Fire Prevention

The OSFM, in partnership with the International Association of Fire Chiefs, Keep Oregon Green, and the Oregon Department of Forestry provided a Ready, Set, Go! train-the-trainer session for 95 attendees. The training provided information on the important stages of wildfire readiness and strategies to implement in local communities. This program helps fire agencies teach individuals who live in high-risk wildfire areas and the wildland-urban interface on how to best prepare themselves and their properties against the threat of fire.

AFP&S partnered with the Oregon Association of Broadcasters to air radio and television spots on wildfire prevention and defensible space during the month of June. The spots were provided by the Oregon Department of Forestry and Keep Oregon Green and included Governor Kate Brown warning citizens about the upcoming wildfire season and how community members can help prevent wildfires. A total of 5,890 announcements were aired during June.

National Fire Academy Classes

The F&LSE Branch partners annually with the Department of Public Safety Standards and Training to host two National Fire Academy two-day classes.

Best Practices in Community Risk Reduction demonstrated to 26 students from 20 agencies the nationally recognized principles that can lead to community risk reduction programs and can measure success in local communities. The course gave students the opportunity to explore programs from communities across the U.S. that were showcased at Vision 20/20 symposiums. These programs demonstrate what nationally recognized organizations identify as examples of “best practices” in community risk reduction.

(continued on page 12)



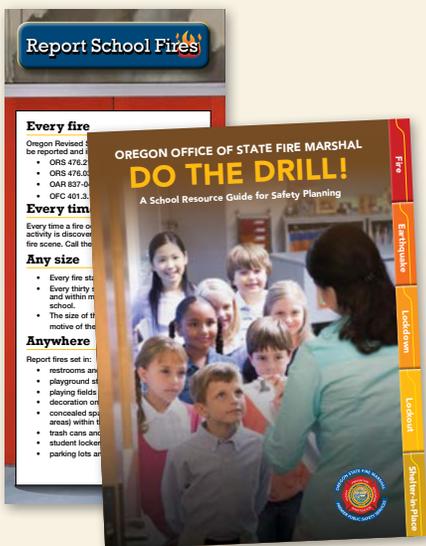
Oregon State University and University of Oregon Partnership

The OSFM is partnering with Oregon State University and the University of Oregon sports programs to promote fire prevention and smoke alarms, and build OSFM brand awareness throughout the state. The two-year agreement with each university includes prevention and safety messaging using different media and sports seasons. The OSFM is using each school's logo and mascot in campaign messages. The project includes radio and live in-game announcements, web banners on the universities' sports websites, and social media contests. The goal is to establish a connection between the OSFM and the Beaver and Duck fan bases across the state to promote fire prevention and safety.



School Information Packets

The Youth Fire Prevention and Intervention Unit distributed 180 school information packets to school resource officers statewide. The packet included the newly developed *Report School Fires* rack card, the *Report All School Fires* DVD, an order form for the elementary and middle school curriculum, the *Classroom Guide to Fire Safety* poster, the *Fire Detection System* checklist, and *Do the Drill: A School Resource Guide for Safety Planning*.



The Report School Fires program is designed to raise awareness and provide up-to-date information to school resource officers on Oregon rules relating to fires set on school property, classroom fire safety, fire education/drill instruction, and requirements for reporting every fire, every time, any size, anywhere. The *Classroom Guide to Fire Safety* lists common classroom circumstances to be aware of in order to increase classroom fire safety.

National Fire Academy Classes

(continued from page 11)

Commissioning New Occupancies enabled 28 students from 22 agencies to develop strategic approaches for solving the management challenge of getting a building or occupancy commissioned. This gives the code official the confidence that all the life safety and fire protection systems and features are working together properly and that the structure is ready for human use. The course included the code official's and owner's legal obligations and liabilities during commissioning, the challenge of commissioning buildings of different sizes and complexity with limited staff, an overview of what systems/features constitute "fire and life safety features," commissioning and testing alternatives, and documentation and recordkeeping.

Elementary and Middle School Curriculum

The YFP&I staff provided a total of 6,913 *What can you do?* elementary school curriculums with support materials; and 907 *It's Up to You* middle school curriculums with support materials to 696 schools in Oregon's 36 counties.

The curriculums, developed with the Oregon Department of Education are designed to align the program with the Oregon health standards. Lessons incorporate activities that have students comprehend concepts, access information, practice life-saving skills, analyze influences, and use interpersonal, decision-making, and advocacy skills.

Juvenile Firesetter Intervention Specialist Trainings

Three National Fire Protection Association 1035 Juvenile Firesetter Intervention Specialist I trainings were provided across the state in partnership with local area Youth Fire Prevention & Intervention Networks, juvenile justice personnel, treatment center staff, and local fire agencies.

This training will continue to increase the resources and professional level of members of the Oregon fire service in responding to the needs of youth misusing fire, their families, and communities.

Start Safe Training

A FIRE AND BURN SAFETY PROGRAM FOR PRESCHOOLERS AND THEIR FAMILIES

This program provides resources for preschool teachers and administrators to work with local fire departments in delivering developmentally-appropriate fire safety education to children. Oregon is one of 12 states chosen to participate in a national train-the-trainer program. The YFP&I staff delivered three trainings and resources to Head Start personnel, preschool teachers, and administrators, preparing local preschool programs and fire service personnel to implement Start Safe in their communities throughout Oregon.

Reaching parents and caregivers is critical so that changes can be made in the home. Training is specifically designed to help teachers and fire educators to reach parents and caregivers with key safety messages and help them take action to reduce the risk of fires and burns at home.

Data Collection

Through focused efforts, the Analytics & Intelligence Unit significantly improved the amount of information collected in 2015. Since 2010, the number of Oregon fire agencies reporting to the OSFM has increased by 15%; the total number of incidents reported has increased by 25%; the validity rate of incident reports (a measure of accuracy) has increased by 13%; and the number of fire agency profiles (key information about the agency) has increased by 195%.

This provides the OSFM with the information necessary to identify the fire problem in Oregon and provides critical information that impacts all OSFM programs. This increase in the amount of accurate information collected results in the ability of the OSFM to make well-informed decisions on the protection of citizens from fire and hazardous materials.

The unit provides training to local fire agencies on the Oregon Fire & EMS Bridge™ and on the National Fire Incident Reporting System (NFIRS). In 2015, the unit provided 118 hours of training to 249 personnel representing 67 fire agencies. This training insures that the agency is equipped with the skills necessary to accurately complete incident reports and to better manage the administrative functions of their agency using the tools available in the Oregon Fire & EMS Bridge™ program.

The unit provided assistance on incident reporting to several fire agencies experiencing large-scale fires in 2015. This assistance helps ensure incident reports are accurate and thorough, which provides key information necessary to analyze incidents, as well as helps protect the fire agency in any potential litigation.



EMERGENCY RESPONSE SERVICES

The Emergency Response Services Branch is comprised of the Regulatory Service Unit (with seven programs: Fireworks, Explosives, Liquefied Petroleum Gas, Non-Retail Fueling, Fire Standard Compliant Cigarettes, Novelty/Toylike Lighters, and Community Right to Know), the State Emergency Response Commission, the Local Emergency Planning Committee Program, and the Emergency Response Unit.

The Emergency Response Unit administers the Rail Safety Program, Agency Operations Center, and the State Regional Hazardous Materials Emergency Response Teams.

Fireworks Program

The Fireworks Program is responsible for licensing fireworks wholesalers, issuing permits for the retail sale of fireworks and the use of public display fireworks, pest control fireworks, special effects fireworks for television, movie, and theatrical productions, and sporting events. Permits are issued after local fire and police authorities have reviewed proposed fireworks activities in their jurisdictions for life safety considerations and approved those activities. Once a license or permit is issued, staff will inform the local approving authority. This allows the local authority to monitor the permitted activities to ensure life safety risks are being mitigated. This also relieves local authorities of the administrative process of issuing permits.

The program conducts education and outreach activities by producing and distributing educational materials to fire service and law enforcement partners, the media, and the public about the safe use of legal fireworks in Oregon and the risks associated with illegal fireworks.

In 2015, staff issued 13 wholesale permits, 364 display (general, limited, and special effects) permits, 747 retail sales permits, and 12 agricultural permits. Certifications were issued for 97 general and 51 limited pyrotechnic operators.

The Fireworks Program staff collaborated with stakeholders to develop a legislative concept where agricultural fireworks could be used to protect additional properties such as golf courses and estuaries from damage caused by wildlife. This collaborative effort resulted in the passage of House Bill 2432 by the Oregon Legislature which became effective January 1, 2016.



Liquefied Petroleum Gas Program

The LPG Program administers skills exams and issues licenses to those who work in the propane industry. This includes licenses for operators of propane delivery trucks, installers of tanks and systems, and those that work on propane equipment, recreational vehicles, and motorized vehicles powered by propane. In 2015, staff administered 315 exams, and issued 585 employee licenses and 501 company licenses and renewals.

The program inspects residential propane tank installations throughout the state for compliance with Oregon Fire Code and other nationally recognized standards. In 2015, 304 residential tank installations were inspected. In addition, 23 bulk propane storage and distribution plants were inspected for code compliance. The amount of propane stored at these facilities ranges from 18,000 gallons (water capacity) in a single container to multiple containers of 30,000 gallon (water capacity) each. Inspections of these bulk plant facilities help ensure product control measures function as they should and that catastrophic failures do not occur. These measures contribute to the protection of the health, welfare, and safety of the public and of persons using or handling LPG.

Non-Retail Fueling Program

The Non-Retail Fueling Program regulates the self-service fueling of Class 1 flammable liquid at cardlock facilities. This is done by conducting inspections of each facility to ensure compliance with Oregon Fire Code and Administrative Rules directly related to the dispensing of Class I flammable liquids. These inspections identify and mitigate deficiencies that could create unsafe fueling environments that put public safety at risk.

In 2015, inspections were conducted at all 327 cardlock fueling sites in the state. In addition, records inspections were conducted of all 84 cardlock operators which helps ensure non-retail customers meet all the requirements to dispense Class 1 flammable liquids at these facilities. This includes fire safety training, which informs customers what safety measures to take while dispensing fuels and what to do in the event of an emergency at these unattended facilities. It also assists in reducing the chance of fires, spills of hazardous materials, and or other emergencies that may occur at these facilities.

The program also enforces the prohibition of self-serve fueling of Class 1 flammable liquids at retail facilities by the general public. This is done by conducting outreach and training where self-serve fueling is occurring, providing educational materials to operators and customers, and issuing civil penalties for violations.





Community Right to Know Program

The Oregon Community Right to Know and Protection Act directs the Office of State Fire Marshal to survey private and government employers for information about the presence of hazardous substances at their facilities. The purpose of this legislation is to provide emergency planners, first responders, and the public with information about hazardous substances in their communities. The law also requires the OSFM to collect information about incidents involving hazardous substances.

In 2015, the CR2K Program continued to focus its efforts to obtain complete and correct hazardous substance data from the more than 12,000 reporting facilities, and the more than 14,000 different substances being reported. These efforts allowed us to continue providing quality data to customers, who use it for emergency preparedness and response. We also increased the frequency of our data updates from annually to approximately every sixty days.

Other efforts during 2015 involved education, outreach, and enforcement. This included developing and distributing new marketing tools, contacting facilities that weren't reporting as required, attending industry meetings, engaging with our partners, and increasing the number of facility inspections. In 2015, 850 audits were conducted, including 205 that involved an on-site inspection. Through these efforts we were able to share for the first time the purpose of the program and the reporting requirements with a variety of Oregonians including covered facilities. It also provided opportunities to grow our relationships with our partners including the Oregon fire service and other first responders, local emergency planners, industry, and other state agencies. These relationships allow us to leverage the knowledge of others and improve our effectiveness in protecting Oregon citizens, their property, and the environment from fire and hazardous materials.

Regional Hazardous Materials Emergency Response Teams

On February 5, 2015, the OSFM facilitated a tabletop exercise/panel discussion with the goal of assessing Oregon's response to two simulated incidents involving train derailments and the release of crude oil. Invitees to the training included members of the Oregon Legislature, the Oregon Emergency Response System Council, fire defense board chiefs, county representatives and emergency managers, elected officials from areas with crude oil traveling by rail through their jurisdiction, railroad partners, the nine federally recognized Tribal Nations, and assorted federal response agencies. The OSFM partnered with the Oregon Department of Transportation, Oregon Department of Environmental Quality, Oregon Health Authority, Department of Public Safety Standards and Training, Oregon Military Department, and Office of Emergency Management to conduct the training.

The objective of the tabletop exercise was to identify roles & responsibilities during a hazardous material release – focusing on preparedness, notification, response, recovery.

This is the first of many steps the OSFM and the state of Oregon are taking to increase the safety of Oregonians who may be affected by a derailment of a train carrying crude oil through their county.

Greater Portland Traffic Incident Management Team

OSFM hazmat representatives participated in the U.S. Federal Highway Administration's Greater Portland Traffic Incident Management Team.

The formation of a cross-jurisdictional team of traffic incident managers and responders in ODOT Region 1 created a forum to review and resolve regional priorities, progress, and issues related to traffic incident management. Current research and experience provides compelling evidence for the combined safety and energy-savings benefits of coordinated incident management. The goal of this project is enhanced resource integration and strengthened relationships. This will be realized from focused collaboration among the traffic incident response managers in the greater Portland Metro area. This project also addresses important priorities in the state of maintaining public safety while reducing energy consumption.

The gathering of key stakeholders is one of the most effective ways to move projects forward, improve communication, and meet identified goals. Stakeholders included representatives from approximately 20 first responder agencies in Washington, Multnomah, and Clackamas Counties. The group works together to improve first responder safety, clearance times, and communication.

Needs Assessment Survey

The OSFM, in collaboration with the Oregon Fire Chiefs Association, conducted a survey designed to provide a picture of the readiness and equipment needed for effective response by Oregon fire service agencies in relation to a crude oil incident on rail lines in Oregon.

Main findings from the statewide survey showed most agencies lacked crude oil emergency response equipment.

The majority of respondents agreed that the most effective plan for adequate equipment investment, and the best method for storage, maintenance, and management oversight of the equipment was through the State Regional Hazardous Materials Emergency Response Team Program.

As a result, the Oregon Legislature passed House Bill 3225 authorizing the OSFM to coordinate contingency planning and training in preparation for an incident involving the transport of crude oil by rail. Legislation also allowed the OSFM to hire a rail planning coordinator in December 2015.

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The bill was the result of collaboration between first responder agencies, local communities, and railroad operators and is a key step to help ensure Oregon's first responders have the tools, training, and coordination to keep Oregon communities safe if disaster should strike.

State Emergency Response Commission

ORS 453.520 designates the State Fire Marshal as the State Emergency Response Commission as required by the Emergency Planning and Community Right to Know Act of 1986.

In 2015, the Office of State Fire Marshal adopted OAR 837 Division 095. Through these rules the SERC:

- Designates emergency planning districts throughout Oregon
- Establishes local emergency planning committees within the EPDs
- Appoints membership to the LEPCs
- Provides review and comment on local community emergency response plans

There are currently twelve recognized LEPCs covering 14 counties in Oregon. OSFM staff will continue to assist with the establishment of LEPCs across the state until each of the designated EPDs has a viable LEPC.



The Oregon SERC receives Hazardous Material Emergency Preparedness Grant funds from the U.S. Department of Transportation Pipeline and Hazardous Materials Safety Administration. The grant funds are used to support planning, training, and exercise projects related to hazardous materials emergency response to transportation incidents.

In FY 2014-15, funded projects included a SERC/LEPC Conference in Seaside, Oregon. There were more than 70 participants that included LEPC members, first responders, and industry partners. The participants had an opportunity to hear a number of nationally recognized speakers and network with others who are interested in community planning and safety.

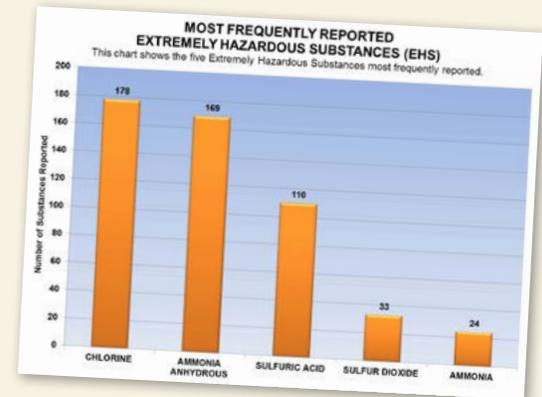
Four LEPCs received funds to assist in developing their emergency planning district emergency response plan. Two hundred and seventy-five first responders around the state received a variety of hazardous material response training. Regional Hazardous Material Emergency Response team members received technician level training and a special two-day training and exercise focusing on response to incidents involving crude oil.

Local Emergency Planning Committees

A local emergency planning committee plays a critical role in public safety, by enhancing the safety of communities within their planning district, when it comes to hazardous material releases. LEPCs are groups of individuals from federal, state, and local government, local emergency responders, emergency planners, hospitals, transportation, health, environmental groups, print and broadcast media, and owners and operators of facilities with a threshold planning quantity of extremely hazardous substances.

LEPCs address risks from hazardous chemical releases at fixed sites or in transit. They use a variety of methods and strategies to ensure emergency planning and preparedness is accomplished within their districts. Typically, LEPCs do not respond to emergencies. Rather, they are tasked with ensuring the broad issues of planning for a response to a chemical incident has occurred.

The OSFM currently supports LEPCs covering 14 counties and more than 400 members. Those counties include Benton, Clatsop, Columbia, Coos, Douglas, Klamath, Lake, Lane, Lincoln, Linn, Morrow, Multnomah, Tillamook, and Umatilla. During 2015, five LEPCs updated or completed comprehensive emergency response plans covering their planning districts and two LEPCs completed either a table top or full scale exercise to validate their plans.



FIRE & LIFE SAFETY SERVICES

The Fire & Life Safety Services Branch delivers services statewide through inspections, fire investigations, and coordination with community organizations, industry associations, and local fire and building officials. This branch also houses the Codes and Technical Services Unit which promotes the adoption, application, and use of effective, uniform fire and life safety codes.

A large part of the mission of the Fire & Life Safety Services Branch is to respond to requests for assistance from local agencies on fire origin and cause investigations. Assisting in these investigations helps the OSFM and local agencies to better understand how fires originated and their cause. This, in turn, helps the OSFM develop better education and prevention programs designed to protect all Oregon citizens where they live, work, and recreate.

The F&LSS Branch partnered with the local Oregon Trail Fire Training Association (Umatilla, Morrow, and Gilliam Counties) to create a table top fire alarm training prop. An OSFM deputy state fire marshal was able to obtain a modern addressable fire alarm system from a building that was being demolished and partnered with a local alarm company to donate some time to assist with wiring and programming the system. The OSFM now has a fully functioning fire alarm system that can be transported to any fire department to give firefighters a better understanding of fire alarm panels and be better able to provide that information to building occupants.

Deputy state fire marshals concentrated inspection activities on structures and housing for our most vulnerable populations – the young, the old, and those incapable of self-preservation, to ensure that proper life safety requirements are being followed. The most frequently inspected facilities included schools, day care centers, assisted living and residential care facilities, nursing homes, and hospitals. They also investigated 247 fires with an estimated loss of more than \$39 million. These fires resulted in 24 civilian fatalities, 41 civilian injuries, and 13 firefighter injuries.



F&LSS staff consulted with architects, engineers, planning, zoning, and building officials to review plans for new construction projects across Oregon involving critical occupancy classified structures. Fire agency access and water supply issues are critical for first responders to properly respond to an emergency. By working closely with these officials, the OSFM ensures new and remodeled buildings are safe for the citizens of Oregon.

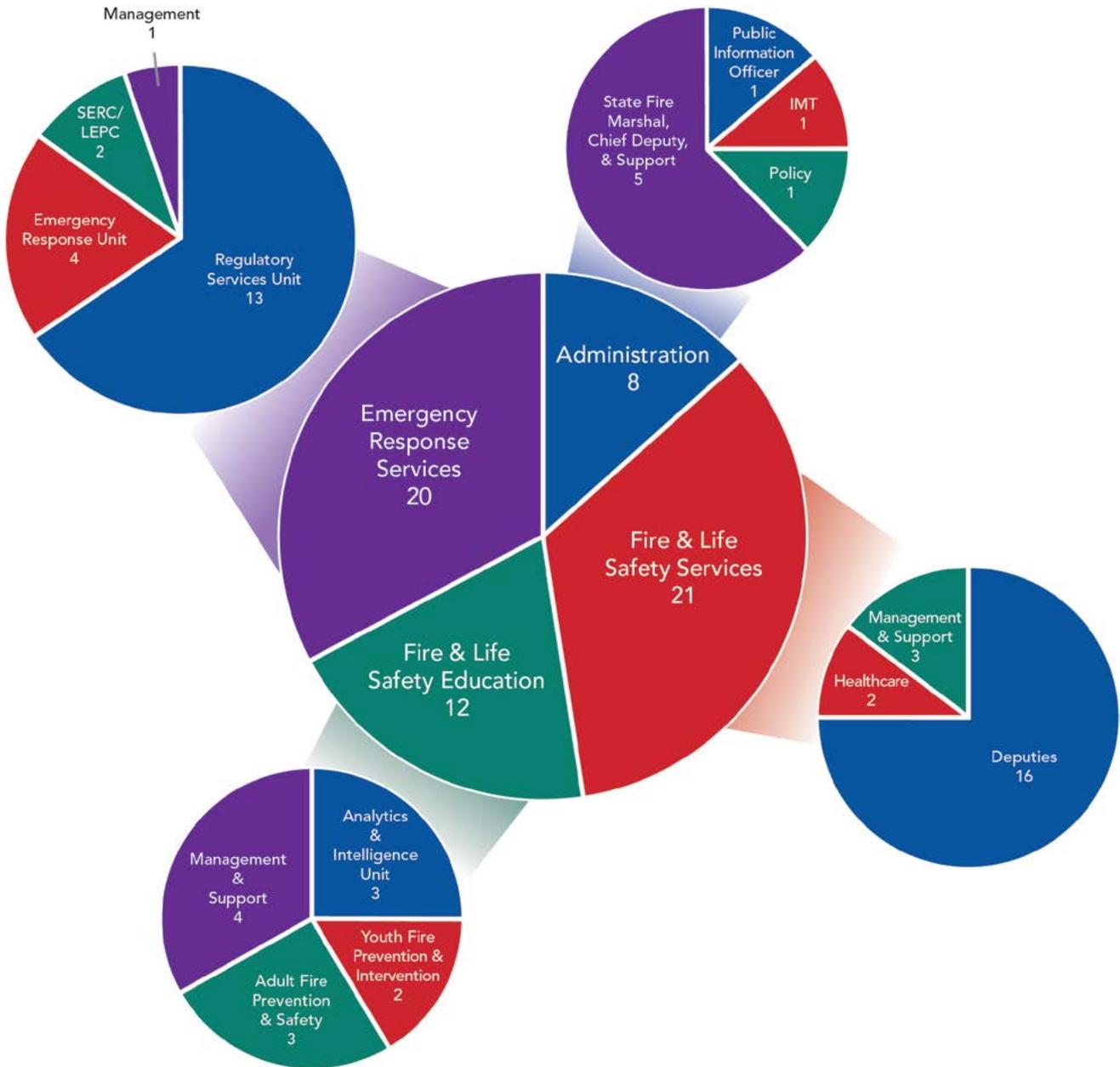
Through an agreement with the Department of Human Services and Oregon Health Authority, the OSFM surveys hospitals and nursing homes that receive federal funding to ensure compliance with Medicare/Medicaid fire and life safety requirements. These critical facilities are made safer for facility residents, workers, and visitors through these inspection efforts and deficiency corrections.

OSFM deputy fire marshals assisted wildfire prevention and suppression efforts throughout the State during the historic wildfire season. Deputies' participation with our wildland partners and community organizations provided fire safety education and prevention to school children and adults throughout Oregon. This education effort helps citizens prevent home fires and wildfires while also providing them with the knowledge of the correct actions to take to escape from these fires. These education efforts also involved broadcast interviews and safety messages to increase public outreach.

F&LSS staff continued their training outreach to the construction and inspection industry by providing continuing education classes on the significant changes to the 2014 Oregon Fire Code. This ensures these officials have the best information when planning and inspecting for fire safety issues in all structures to increase the safety of all Oregonians.



OFFICE OF STATE FIRE MARSHAL - SECTION STAFFING





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