



# 2019 FIRE SEASON UPDATE

Board of Forestry  
September 4, 2019  
Salem, Oregon

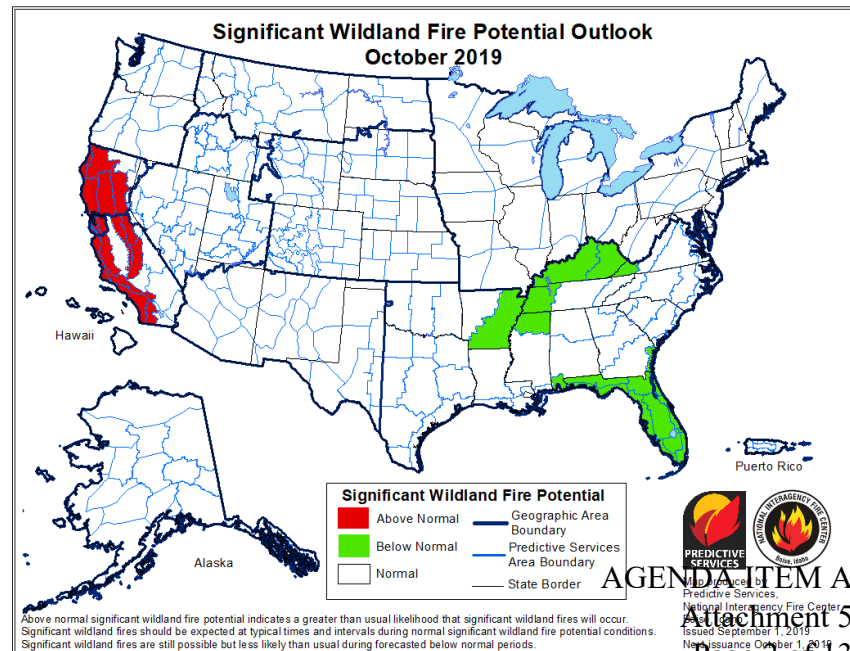
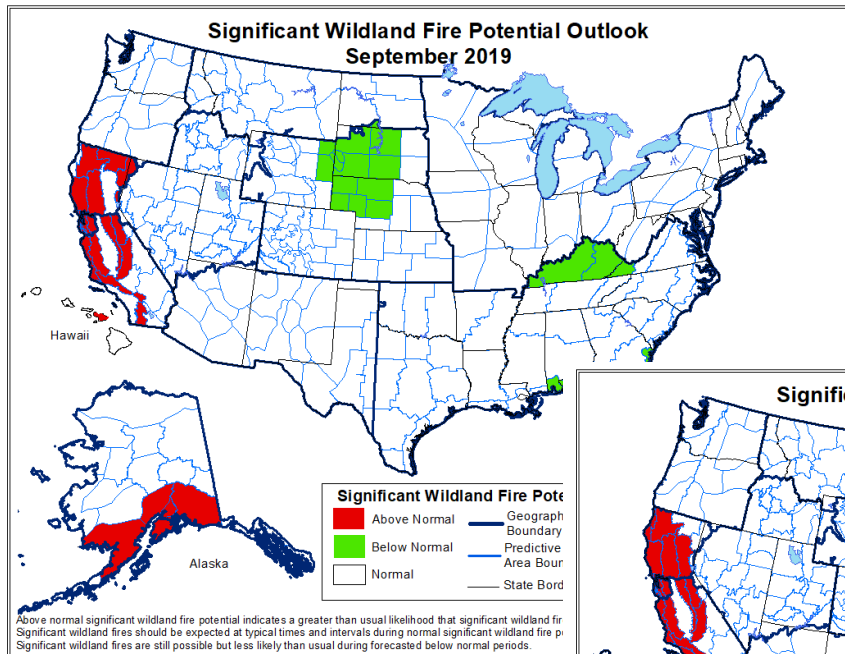
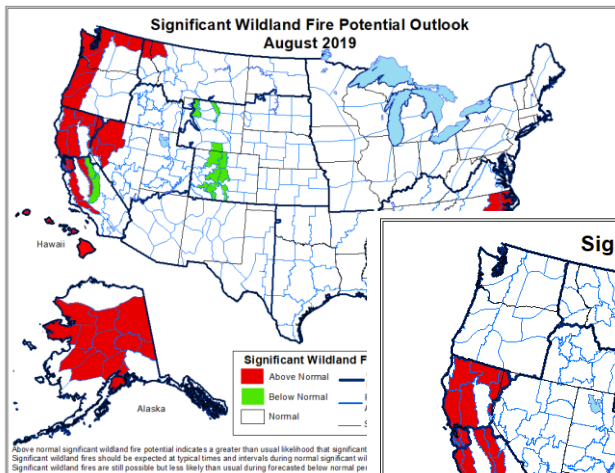
**Peter Daugherty** State Forester

**Doug Grafe** Chief of Fire Protection

**Blake Ellis** Fire Operations Manager



# Nat'l Significant Fire Potential



**Significant Wildland Fire Potential**

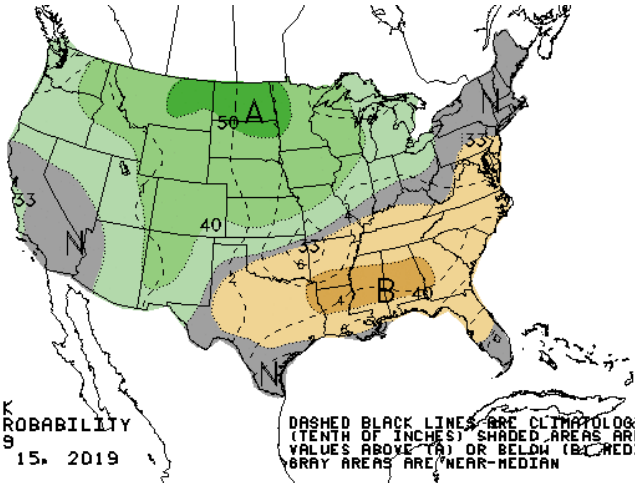
	Above Normal		Geographic Area Boundary
	Below Normal		Predictive Services Area Boundary
	Normal		State Border

Issued Sept 1, 2019

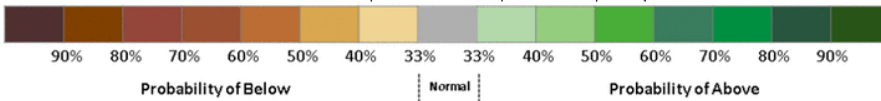
# Weather Outlook



8-14 DAY OUTLOOK  
PRECIPITATION PROBABILITY  
MADE 1 SEP 2019  
VALID SEP 09 - 15, 2019



DASHED BLACK LINES ARE CLIMATOLOGY  
(TENTH OF INCHES) SHADED AREAS ARE FCS  
VALUES ABOVE (A) OR BELOW (B) MEDIAN  
GRAY AREAS ARE NEAR-MEDIAN

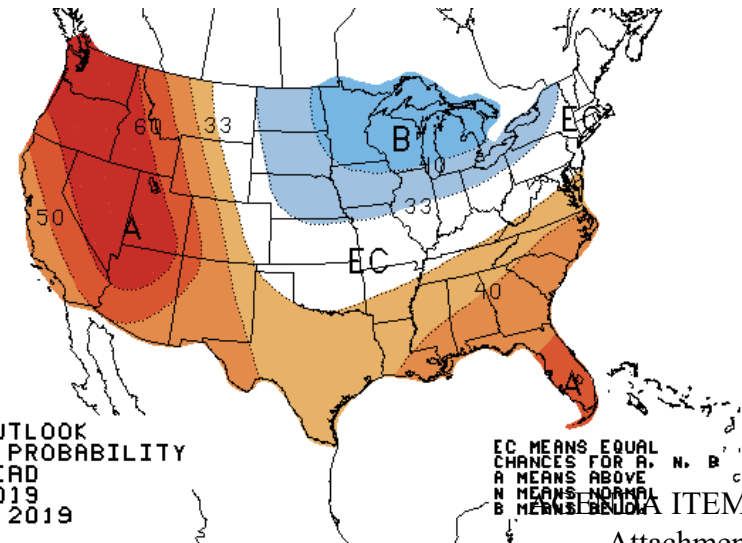


8-14 day Sept Precipitation  
Sept Month Temperature

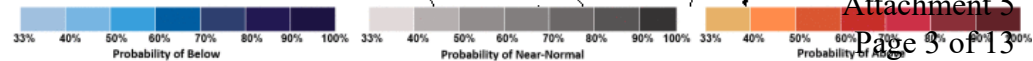
EC = Equal Chance of above or below average  
A = Above Average  
N = Normal  
B = Below Average  
33, 40, 50 = Probability of occurrence



ONE-MONTH OUTLOOK  
TEMPERATURE PROBABILITY  
0, 0 MONTH LEAD  
VALID SEP 2019  
MADE 31 AUG 2019



EC MEANS EQUAL CHANCES FOR A, N, B  
A MEANS ABOVE  
N MEANS NORMAL  
B MEANS BELOW



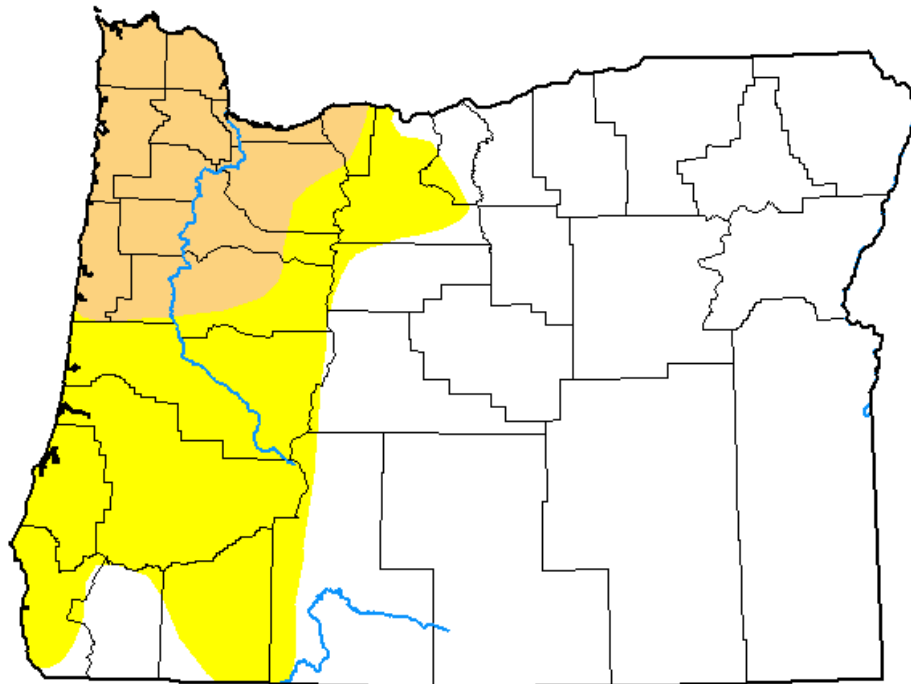
ITEM A

Attachment 5

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# U.S. Drought Monitor Oregon

**August 27, 2019**  
(Released Thursday, Aug. 29, 2019)  
Valid 8 a.m. EDT



*Drought Conditions (Percent Area)*

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	67.61	32.39	10.83	0.00	0.00	0.00
<b>Last Week</b> <i>08-20-2019</i>	67.61	32.39	10.83	0.00	0.00	0.00
<b>3 Months Ago</b> <i>05-28-2019</i>	88.25	11.75	1.80	0.00	0.00	0.00
<b>Start of Calendar Year</b> <i>01-01-2019</i>	0.00	100.00	91.78	78.16	23.39	0.00
<b>Start of Water Year</b> <i>09-25-2018</i>	0.00	100.00	97.68	87.81	31.62	0.00
<b>One Year Ago</b> <i>08-28-2018</i>	0.00	100.00	93.05	79.13	6.18	0.00

Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

*The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.*

Author:

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NCEI/NOAA



[droughtmonitor.unl.edu](http://droughtmonitor.unl.edu)

AGENDA ITEM A  
Attachment 5  
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# Fire Stats 9/03/19

**96%**  
fires kept at  
10 acres or less



## 2019 Year To Date

Fires		Acres
Lightning	167	1,438
Human	571	15,041
Total	738	16,479

## Last Year (2018 YTD)

Lightning	216	48,725
Human	625	26,835
Total	841	75,560

## 10-Year Average (2009-2018 YTD)

Lightning	232	30,472
Human	515	9,255
Total	747	39,727



### 2019 vs Last Year

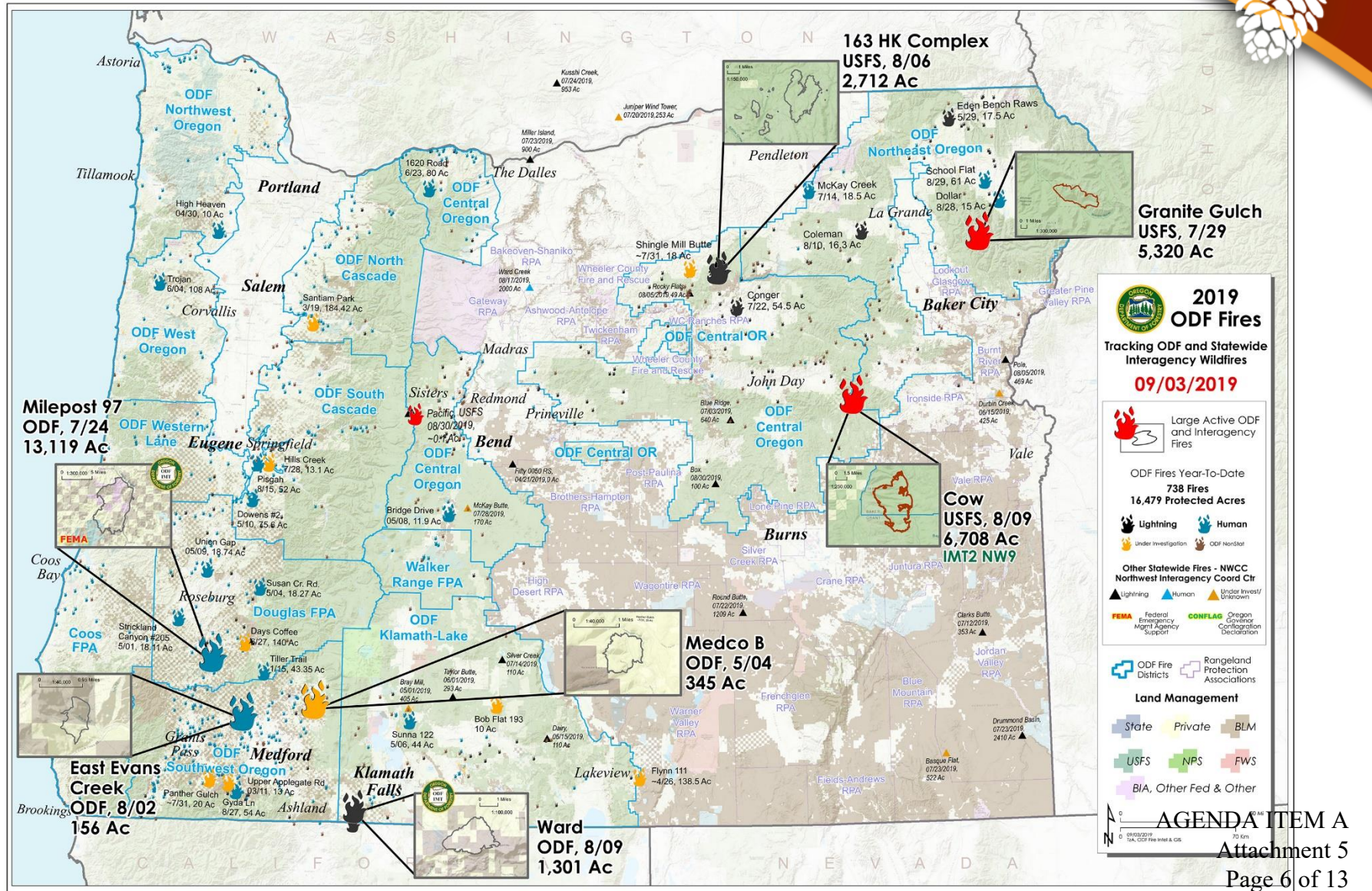
- 12% less total fires
- 9% less human fires
- 23% less lightning fires
- 44% less human acres
- 97% less lightning acres
- 78% less total acres burned than this time last year



### 2019 vs 10-Year Average

- 1% less total fires than average
- 11% more human fires
- 28% less lightning fires
- 63% more human acres (MP97 fire 13,119 acres)
- 95% less lightning acres
- Overall, 59% less acres burned than our 10-yr average

# Statewide Briefing Map 9/03/19



**2019 ODF Fires**  
 Tracking ODF and Statewide Interagency Wildfires  
**09/03/2019**

Large Active ODF and Interagency Fires

ODF Fires Year-To-Date  
**738 Fires**  
**16,479 Protected Acres**

Lightning Human  
 Under Investigation ODF Nonstart

Other Statewide Fires - NWCC  
 Northwest Interagency Coord Ctr

FEMA Federal Emergency Mgmt Agency Support  
 CONFLAG Oregon Governor's Office/Confederation Support

ODF Fire Districts Rangeland Protection Associations

**Land Management**

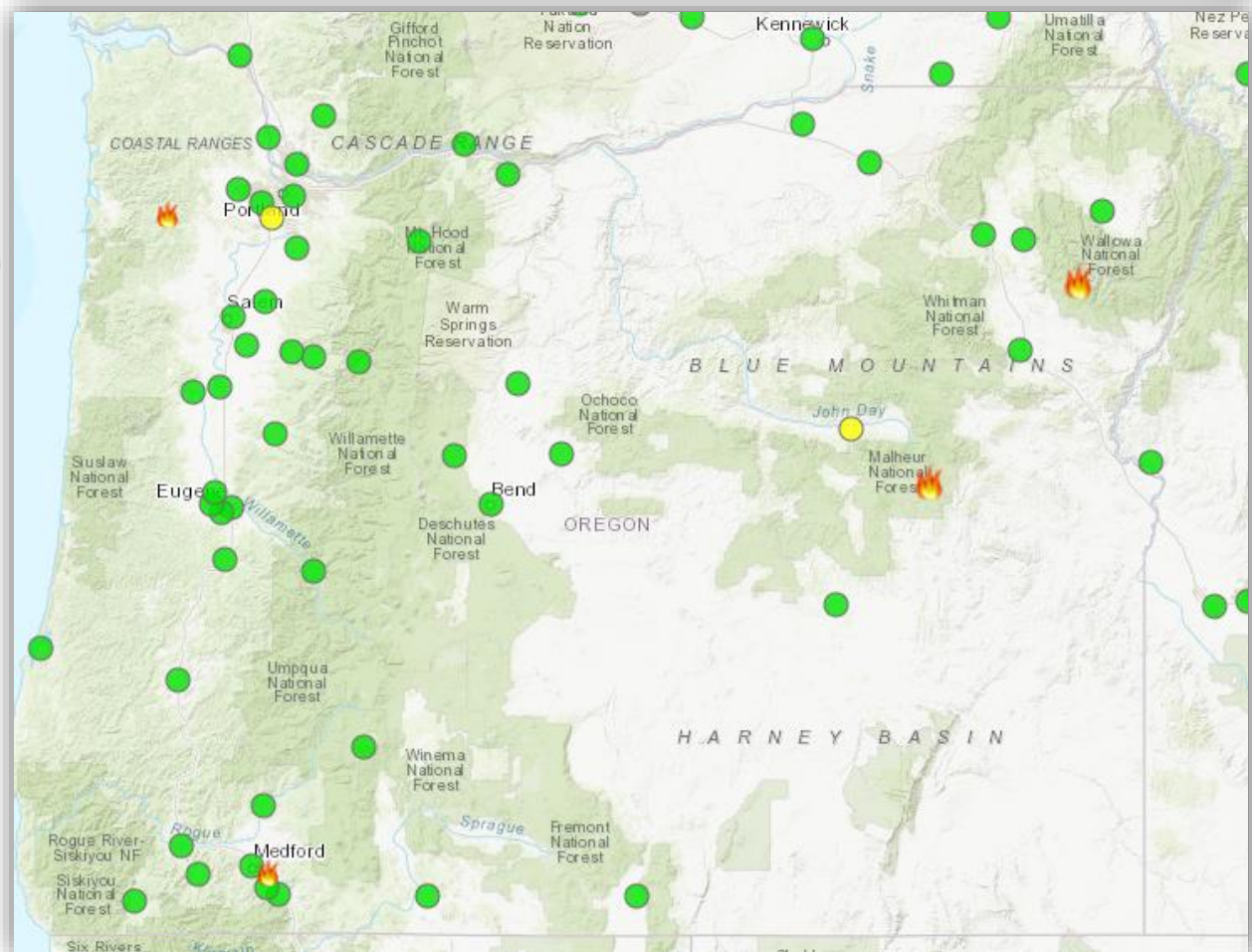
State Private BLM  
 USFS NPS FWS  
 BIA, Other Fed & Other

# Air Quality Check-Up 9/03/19

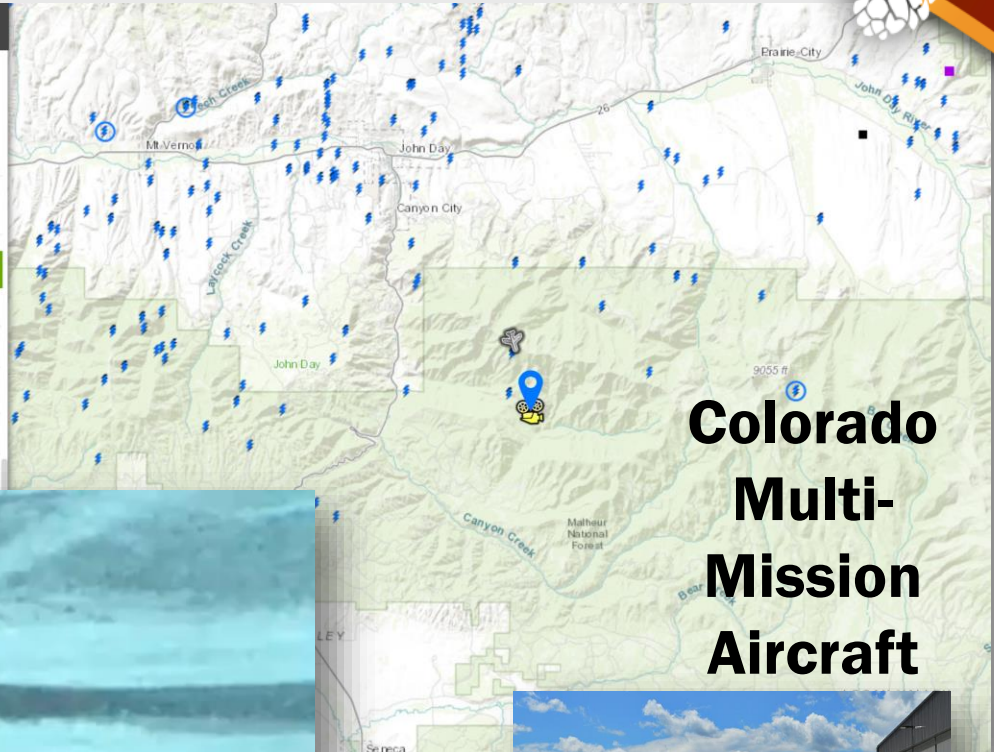
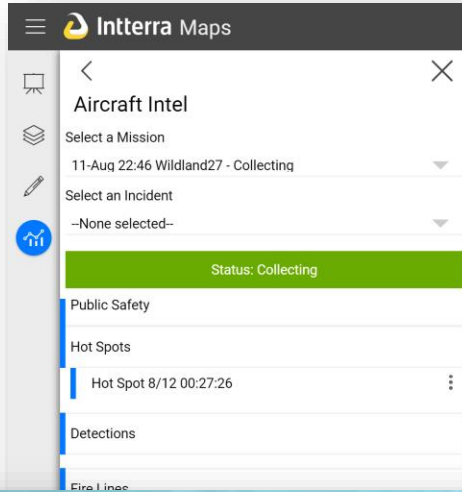


## PM2.5 Air Quality Index

- Good
- Moderate
- Unhealthy for Sensitive Groups
- Unhealthy
- Very Unhealthy
- Hazardous
- No Recent Data



# Technology Update



## Colorado Multi-Mission Aircraft



## SEAT Night Operations Testing-Evaluation





# Safety Update



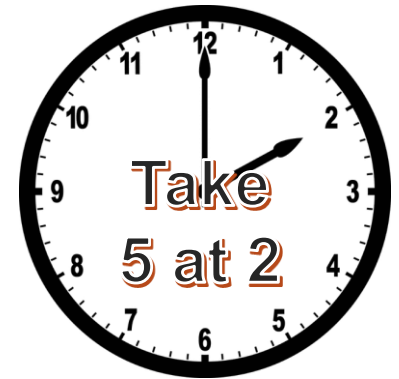
## ODF Reported Injuries from July, 1 to current:

### Total injuries – 20

- **10:** Miscellaneous causes – poison oak, smoke inhalation
- **5:** Strains – vehicle vs vehicle, lifting
- **3:** Slips, Trips and Falls
- **2:** Struck by – bees and rolling debris

### Yellow Sheets – 3

- **2:** Struck by – rolling debris and snag strike
- **1:** Vehicle vs Vehicle

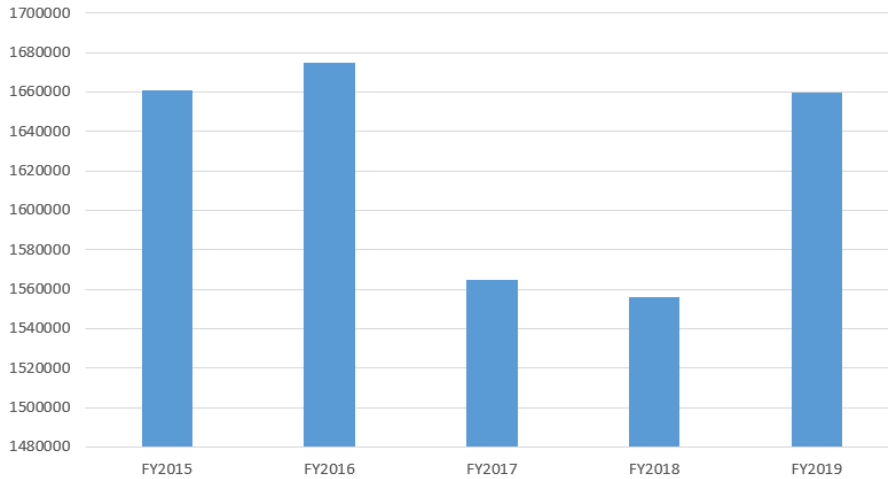


\* Zero days time loss to ODF personnel from July, 1 to current

# Safety Update



Total Hours Worked by Fiscal Year



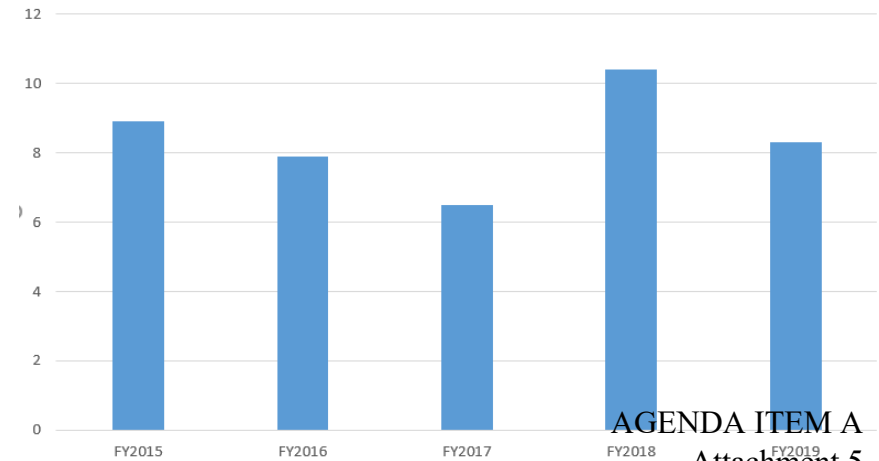
FY2019 had 1,659,432 hrs

5 year average is 1,623,123 hrs

FY2019 injury rate was 8.32 per 200,000 hrs

5 year average is 8.4 per 200,000 hrs

Injury Rate by Fiscal Year, per 200,000 hours worked



AGENDA ITEM A

Attachment 5

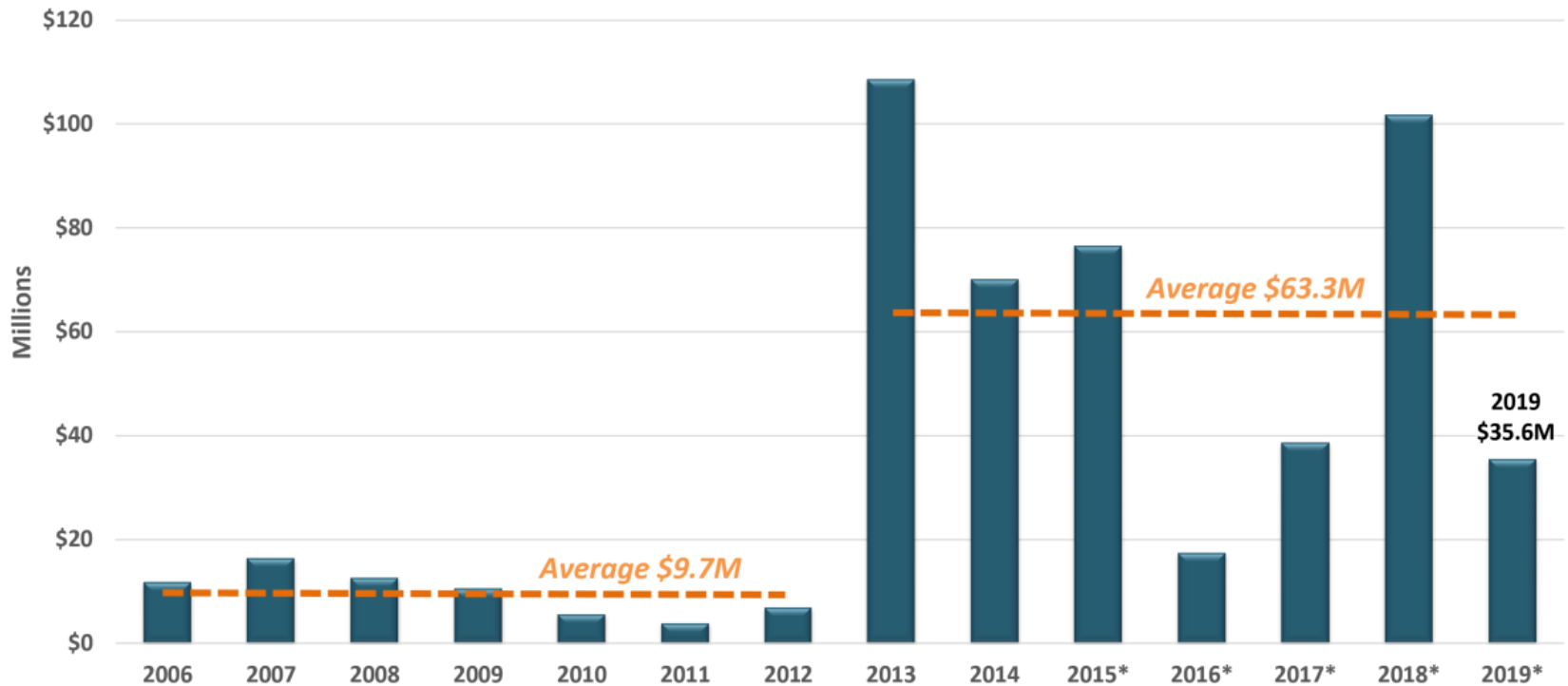
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# Large Fire Costs 8/20/19



## ODF Large Fire Costs

ODF Protection Finance and EFCC Data 08/20/2019.  
Values are gross costs by calendar year.



\*includes draft claims figures



# **477.777 (3,4): Legislative Updates**

**(3) The State Forester shall report to the Emergency Board, each year, after the close of the fire season, on:**

- (a) The nature and severity of the fire season;**
- (b) The moneys expended on fire suppression;**
- (c) The balance remaining from the biennial appropriation; and**
- (d) Any matters arising out of the fire season that may require attention or warrant future consideration by the board or the Legislative Assembly.**

**(4) When reporting the nature and severity of the fire season under subsection (3) of this section, for each fire consuming 1,000 or more acres, the State Forester shall provide information regarding the resulting losses on private lands of timber, buildings, fencing and livestock and of grazing land capacity if the land is expected to be unavailable for two or more grazing seasons. [2005 c.802 §2; 2013 c.619 §4; 2015 c.517 §1; 2016 c.117 §72]**

# Oregon's Complete & Coordinated Fire Protection System

