



2018 FIRE SEASON

Board of Forestry

Sept 5, 2018, Salem, Oregon



Doug Grafe
Ron Graham
Russ Lane

Chief
Deputy Chief - Plans
Deputy Chief - Operations

Watson Creek Fire,
Klamath-Lake District

AGENDA ITEM A
Attachment 01
Page 1 of 26

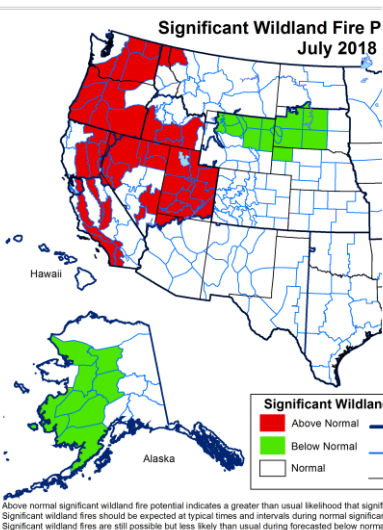
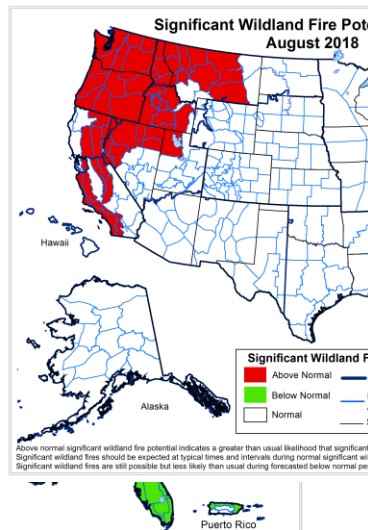
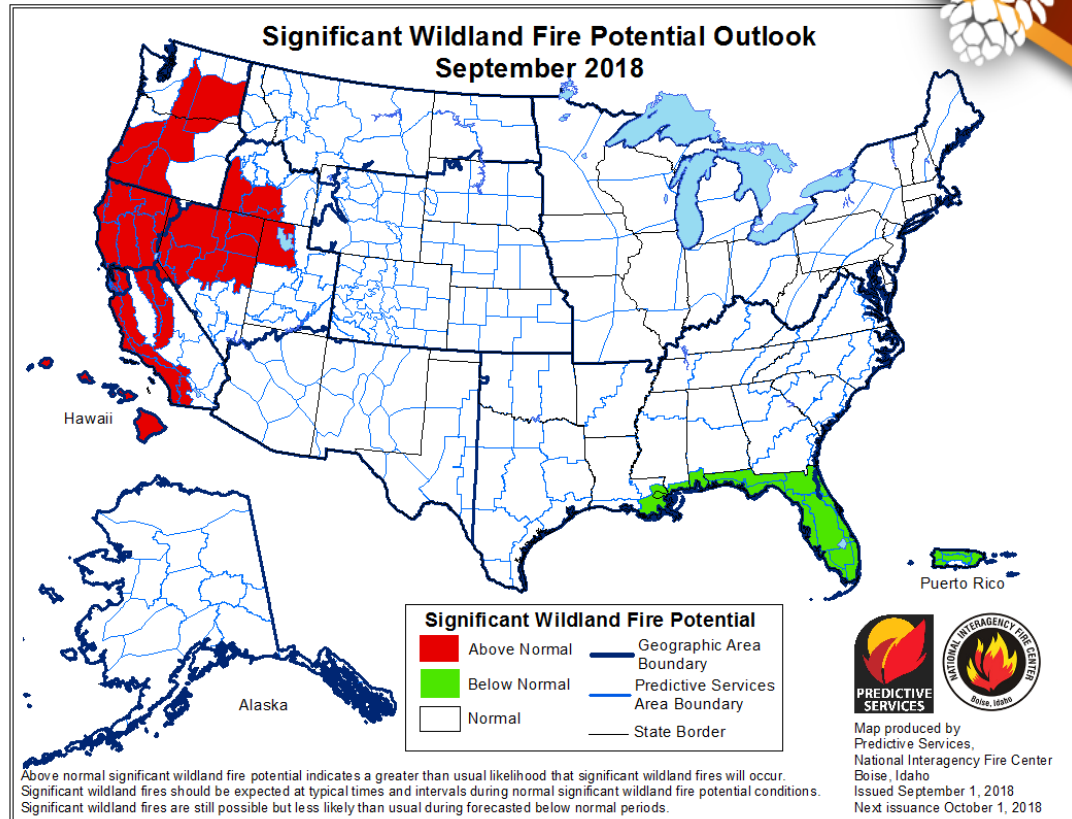


Objectives

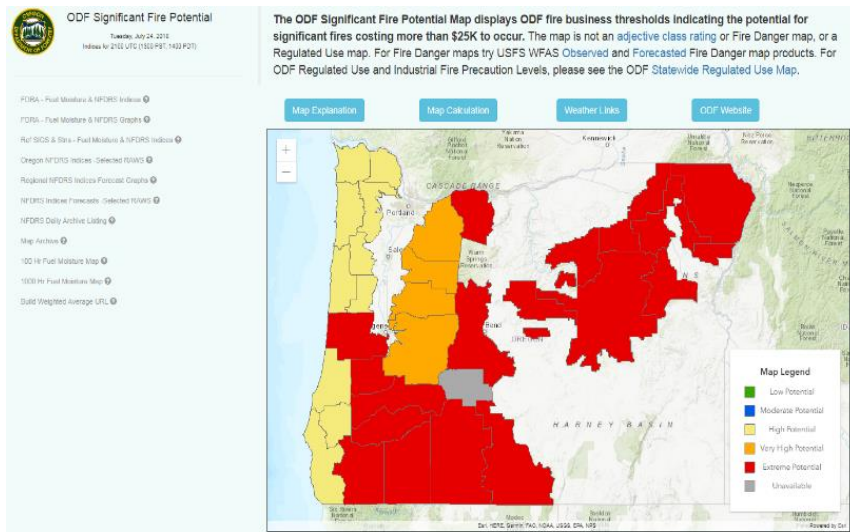
- Update fire danger, weather outlook and drought conditions
- Provide an overview of significant ODF fires and “trigger events”
- Review year-to-date statistics vs. 10-year average
- Share preliminary year-to-date financials

National Significant Fire Potential

Outlooks for July, August, Sept 2018



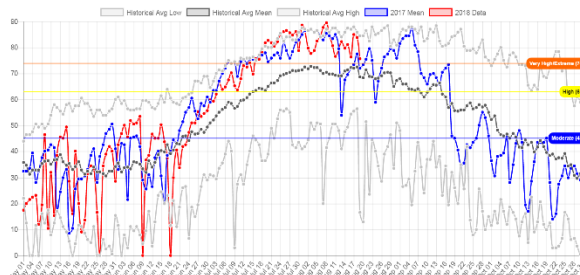
Fire Danger Indices near ~20-yr maximums



- Sustained high to extreme fire potential for large costly fires
- Fuel moistures in single digits since mid-July
- Low humidities and overnight humidity recoveries

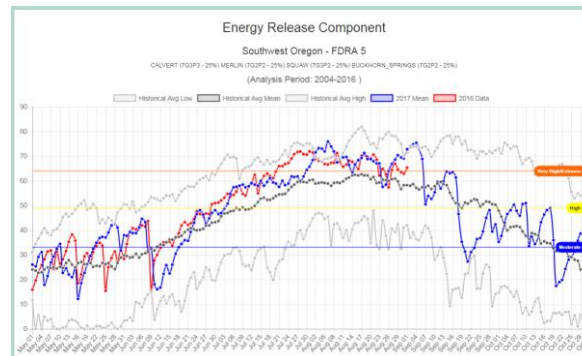
Energy Release Component

John Day - FDRA 13
 CASE (703P2 - 25%) BOARD CREEK (703P2 - 25%)
 (Analysis Period: 1995-2012)



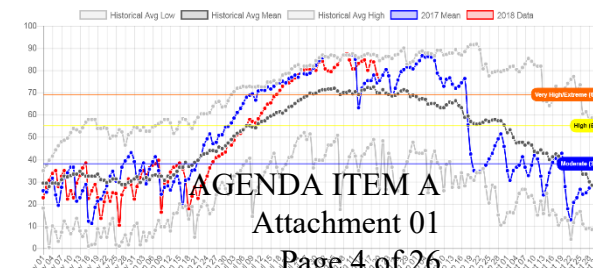
Energy Release Component

Southwest Oregon - FDRA 5
 CAUVERT (703P2 - 25%) MERLIN (703P2 - 25%) BLOAN (703P2 - 25%) BUCKHORN SPRINGS (703P2 - 25%)
 (Analysis Period: 2004-2016)



Energy Release Component

Northeast Oregon - FDRA 14
 CASE (703P2 - 25%) EDEN (703P2 - 25%) J-RIDGE (703P2 - 25%) SPARTA BUTTE (703P2 - 25%)
 (Analysis Period: 1993-2012)



AGENDA ITEM A
 Attachment 01

Page 4 of 26

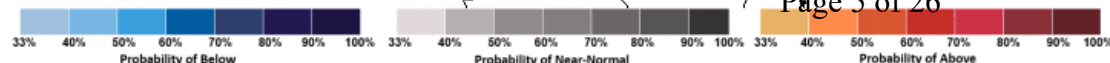
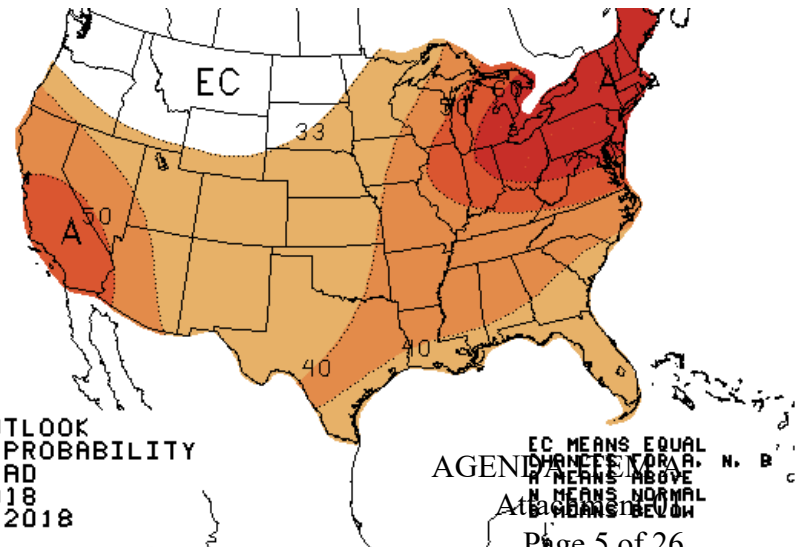
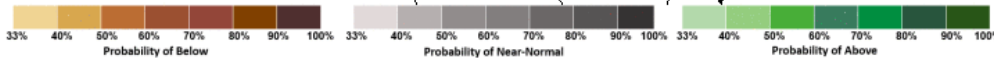
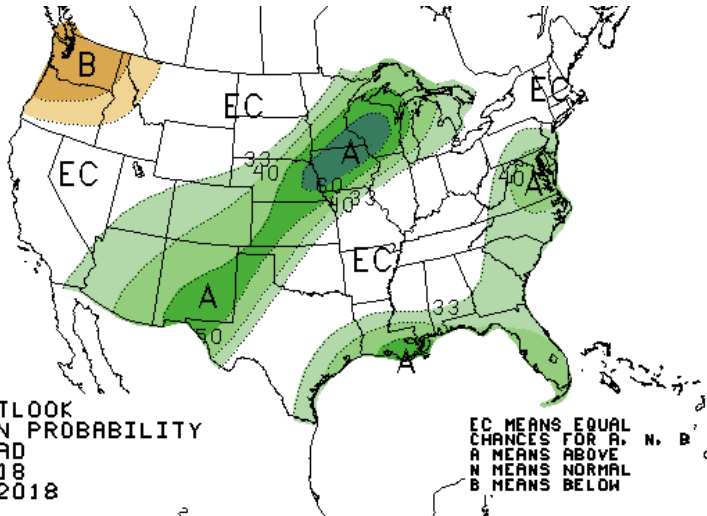
September Outlook



Issued Aug 31, 2018

Precipitation

Temperature



EC = Equal Chance of above or below average

A = Above Average

N = Normal

B = Below Average

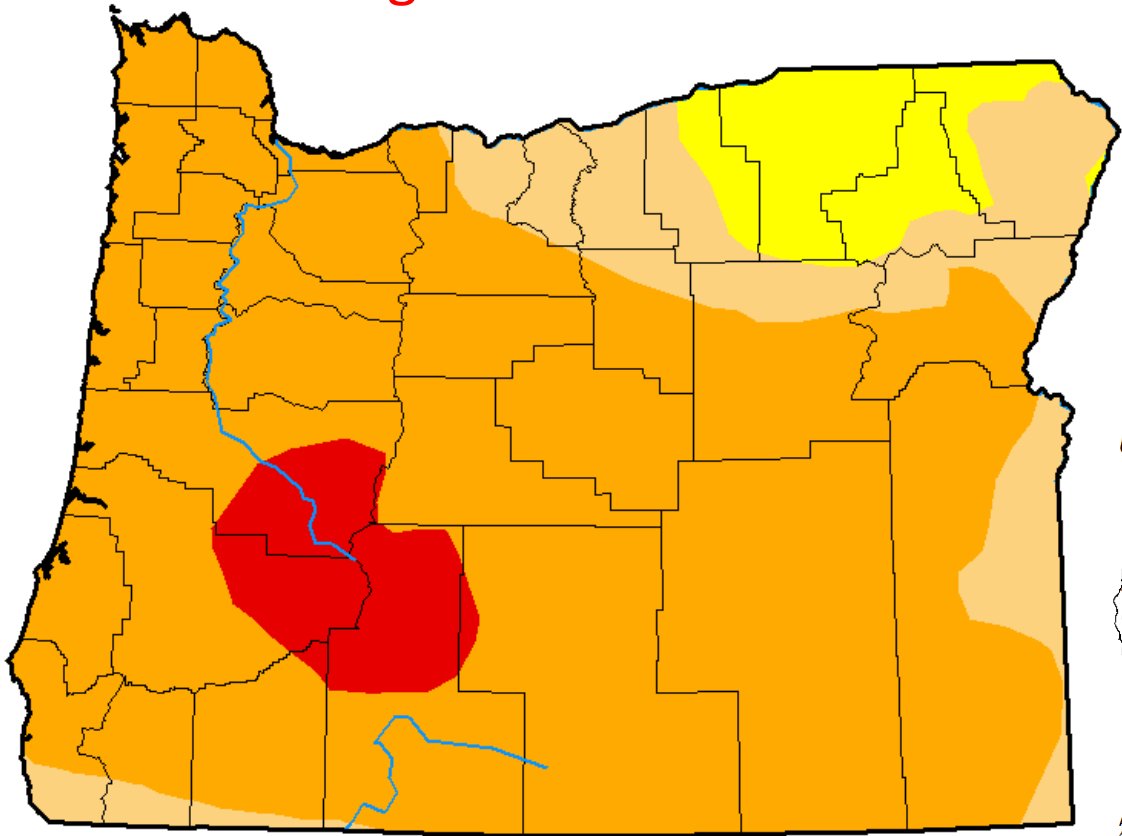
33, 40, 50 = Probability of occurrence

AGENCY USE ONLY
Attn: [Name]
Page 5 of 26

Drought Monitor



Oregon drought status
highest since 2015



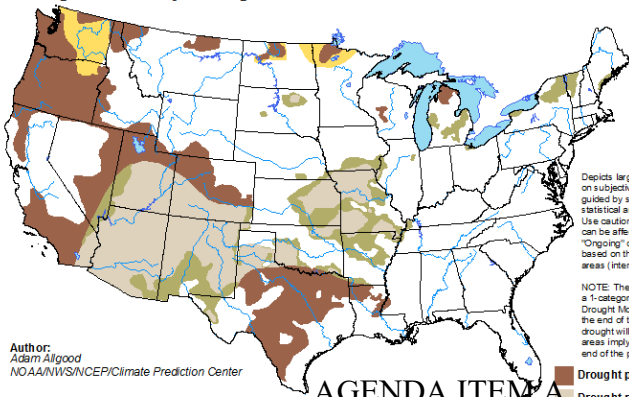
Intensity:

- 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.

Seasonal Outlook

U.S. Seasonal Drought Outlook Valid for August 16 - November 30, 2018
Drought Tendency During the Valid Period Released August 16, 2018

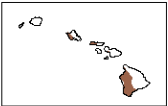
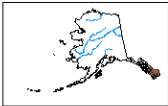


Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to D4).
NOTE: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period, although drought will remain. The green areas imply drought removal by the end of the period (D0 or none).

Author:
Adam Allgood
NOAA/NWS/NCEP/Climate Prediction Center

AGENDA ITEM A
Attachment 0
Drought persists
Drought remains but improves
Drought removal likely
Drought development likely

Map released: Thurs. August 30, 2018
Data valid: August 28, 2018 at 8 a.m. EDT

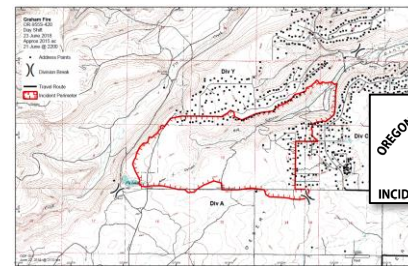




Fires mentioned in July 2018 update

Graham Fire (ODF) **FEMA**

6/21, 15 miles north of Sisters, ~200 homes threatened
2,175 total acres (1,053 acres ODF)



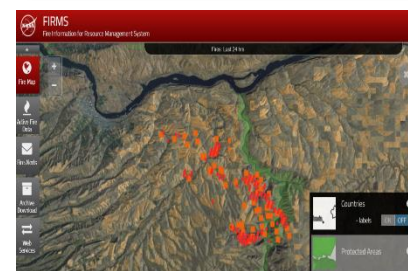
Lobster Creek Fire (ODF)

7/01, 10 miles east of Gold Beach, 397 acres



Substation Fire (BLM, OSFM) **FEMA**

5 miles S of The Dalles, wheat and other agriculture
impacted, 1,336 structures threatened



Silver Creek Fire (ODF) Silver Falls State Park

7/12, fire found in a remote SE corner of the largest
state park in Oregon, contained quickly at 27 acres



AGENCY ITEM A
Attachment 01
Page 7 of 26

Major lightning events this season: July 15-16, Aug 16-17



2018 Fire Season Lightning Strikes and IMTs on Significant Fires YTD August 22, 2017

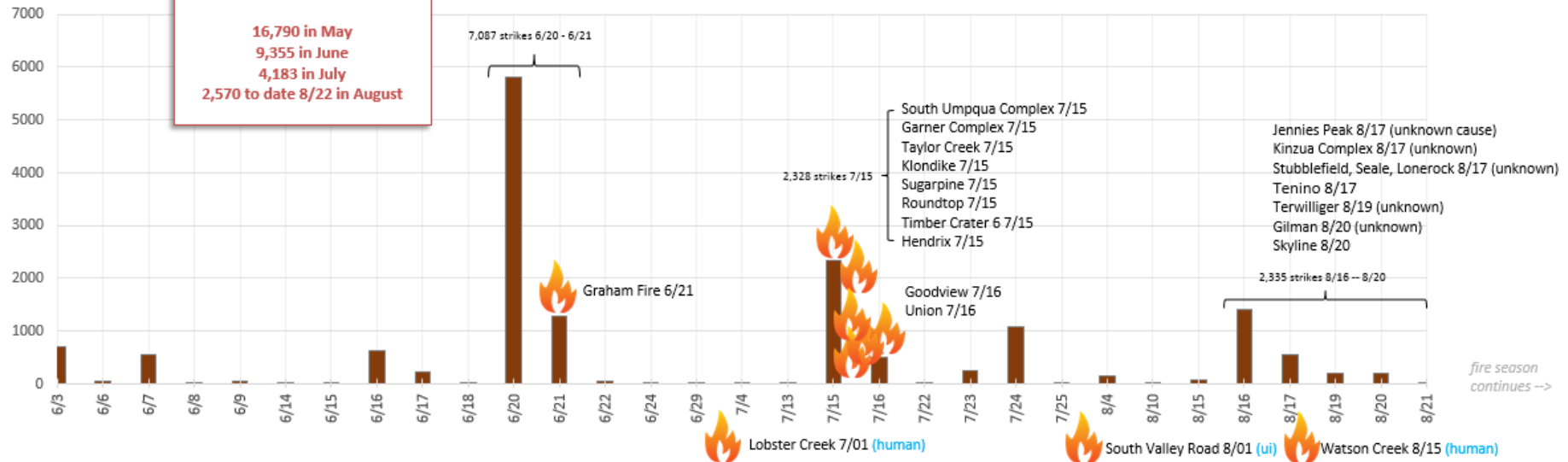
T&A ODF Fire Intel & GIS 8/06/2018



Lightning Strikes

32,898 Lightning Strikes
in Oregon 5/01 - 8/22

16,790 in May
9,355 in June
4,183 in July
2,570 to date 8/22 in August



ODF IMT
Deployments
2018

IMT1 ODF (Cline)
Graham Fire
6/22 - 6/28

IMT1
ODF (Smith)
Lobster
Creek
7/01 - 7/08

IMT1 ODF (Cline)
Garner Complex 7/16 - 7/30

IMT1 ODF (Cline)
South Valley Road 8/02 - 8/10

IMT1 FLA
Red Team(Dolan)
Garner Complex 8/03 - 8/09

IMT1 ODF (Hessel)
Garner Complex 6/29 - 8/03

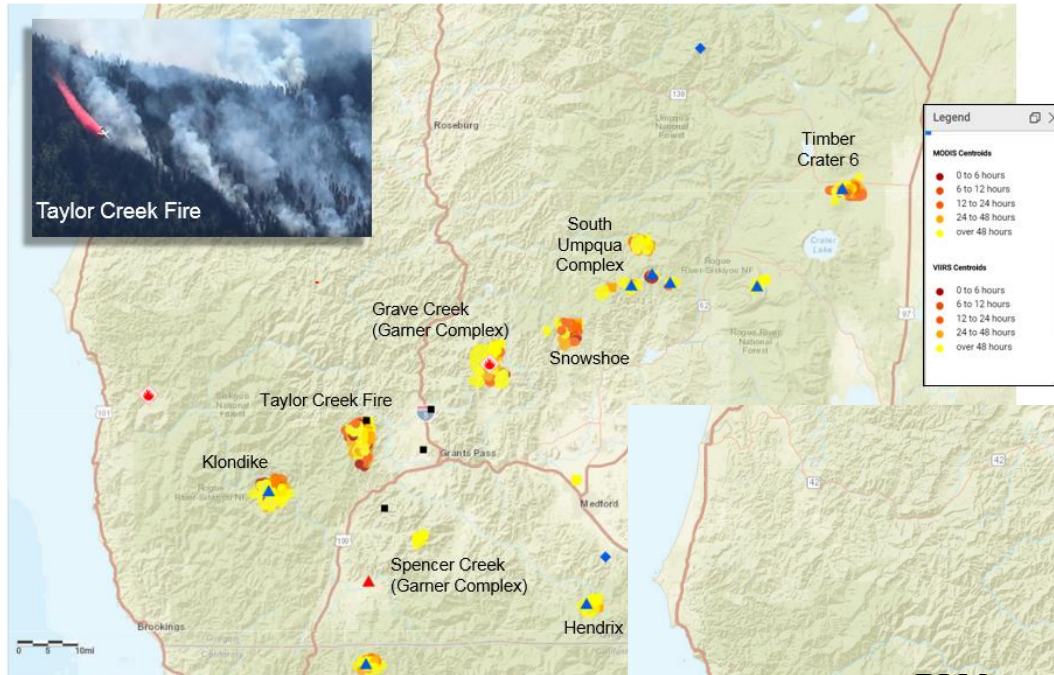
IMT1 ODF (Hessel)
Sugarpine / South
Umpqua Complex 8/03 -->

AGENDA ITEM A
Attachment 01
Page 8 of 26

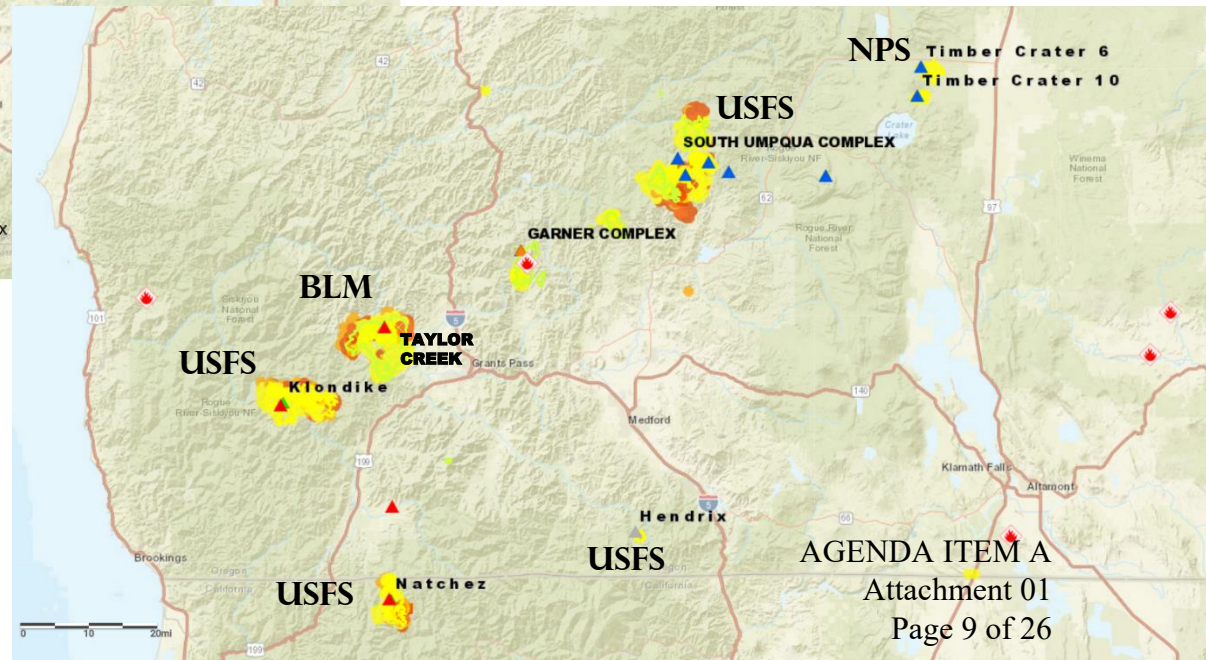
ODF Southern Oregon Area



ODF Southern Oregon Area as of 7/24



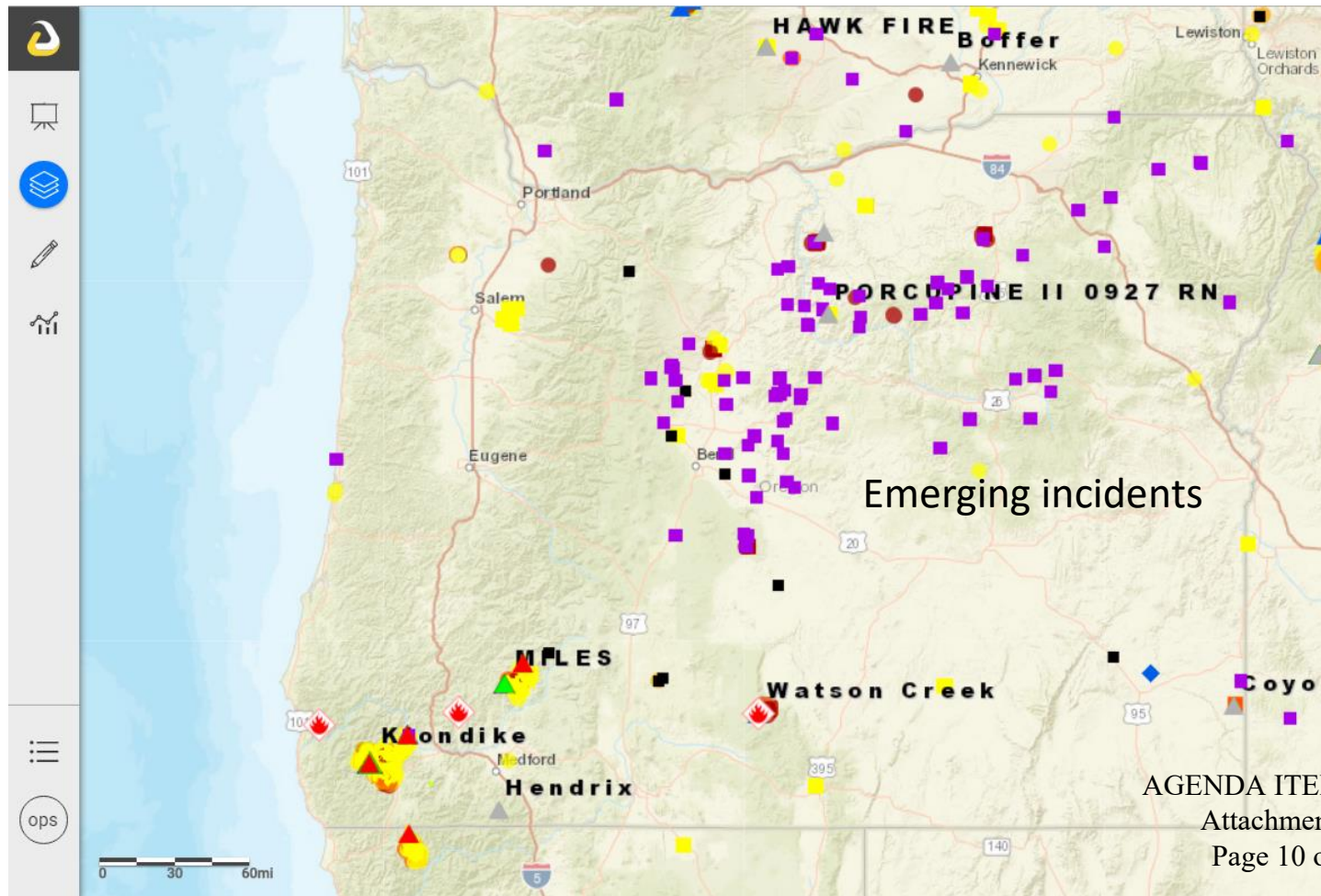
8/01 fire growth



ODF Eastern Oregon Area



Mass ignitions from lightning 8/17





Fire Statistics to date

Sept 2, 2018



2018 Year To Date

	Fires	Acres
Lightning	210	43,406
Human	617	13,067
Total	827	~69,000

10 Year Average 2008-2017 Year To Date

Lightning	247	26,090
Human	499	6,651
Total	746	32,741

94%

fires kept at
10 acres or less



2018 vs 10 Year Average

11% more fires
24% more human fires

111% more acres burned
than our 10-yr average

66% more lightning acres
96% more human acres

All Oregon Jurisdictions:
1,657 Fires

665,996 Acres

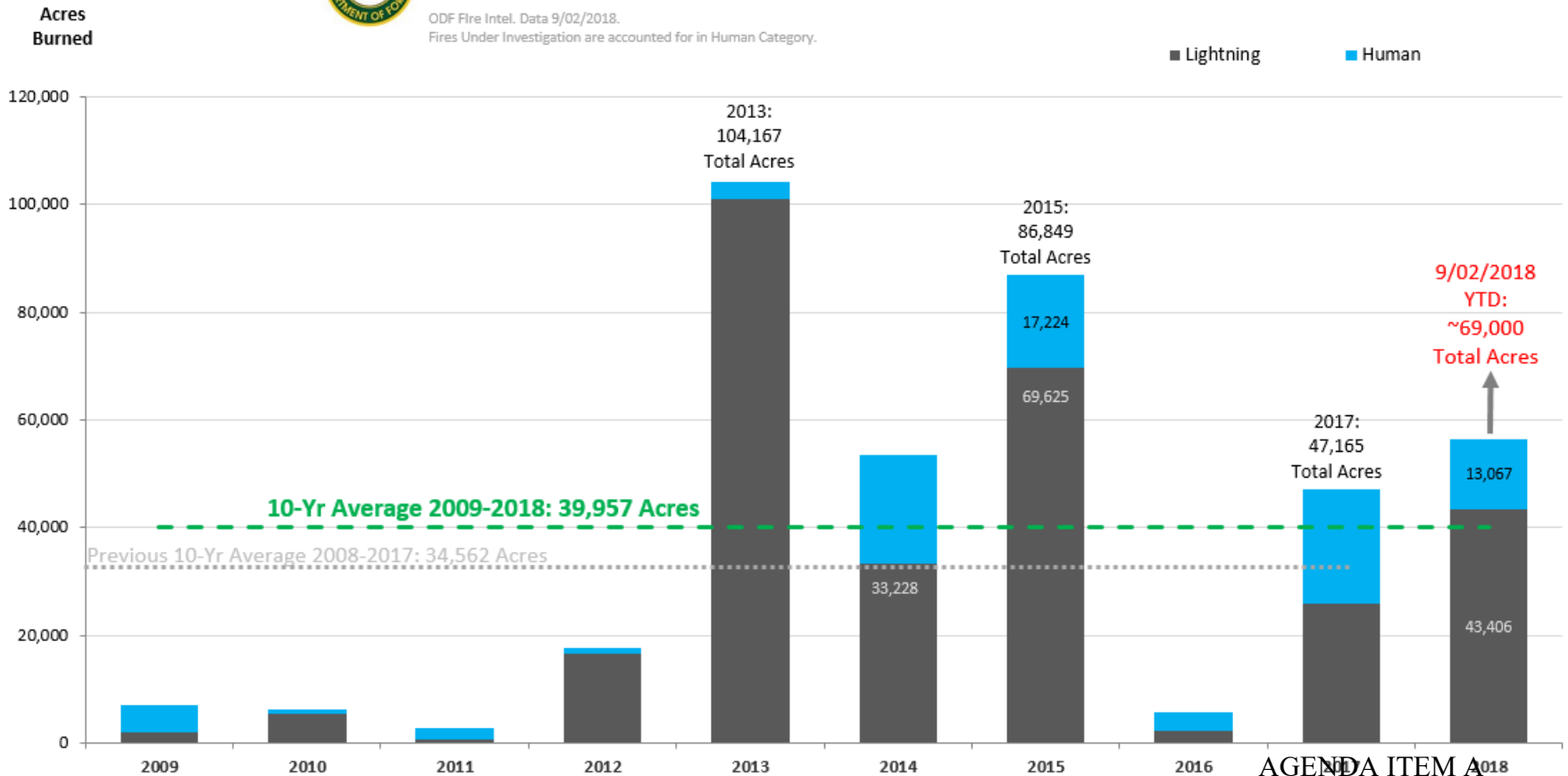
ODF Acres Burned 9/02/2018



Oregon Department of Forestry Protected Acres Burned 2008-2018

ODF Fire Intel. Data 9/02/2018.

Fires Under Investigation are accounted for in Human Category.



Fires since the July 2018 update

Garner Complex (ODF)



17 miles NE of
Grants Pass

Started by lightning
July 15

95% contained by
Aug. 30

8,886 total acres

Florida IMT1 Red
Team (IC Dolan)
support

Values at risk:
Homes, Timberland,
Scenic, Recreation



Taylor Creek Fire (BLM) ^{FEMA}

(managed with USFS Klondike Fire from 8/08)



10 miles W of
Grants Pass

Started by lightning
July 15

95% contained by
Aug. 30

52,839 total acres
16,050 ODF acres
(Klondike: 106,308
total acres)

Values at risk:

Homes

Timberland

Scenic, Habitat,

Recreation

AGENCY

Attachment 01

Page 15 of 26

Miles Fire (USFS) (plus Columbus and Snow Shoe fires)

(known as the South Umpqua Complex until Miles and Sugarpine fires merged 8/03)



7 miles NE of Trail, OR

Lightning sparked on July 15

Miles+ 49,996 total acres

Miles
35,800 acres
13,282 ODF

Snow Shoe
3,816 acres
1,813 ODF



Values at risk:

Homes
AGENDA ITEM A
Attended by
Page 16 of 26
Timberlands
Recreation

South Valley Fire (ODF) **FEMA**



7 miles SW of Dufur

Human caused on
Aug. 1

100% contained by
Aug. 10

20,026 total acres
7,759 ODF acres

Values at risk:

Homes

Agriculture

AGENDA ITEM A

Attachment 01

Page 17 of 26

Recreation

Ramsey Canyon Fire (ODF) **FEMA**



12 miles N. of
Eagle Point

Started Aug. 22
Cause under
investigation

95% contained by
Aug. 31 and
returned to district

1,971 total acres
All ODF-Protected

Values at risk:

Homes
Timberland
Recreation

AGENDA ITEM A

Attachment A

Page 18 of 26

Watson Creek Fire (USFS)



13 miles W. of Paisley

Started Aug. 22

Cause under investigation

95% contained by
Sept 2

58,436 total acres
~11,687 private (ODF) acres

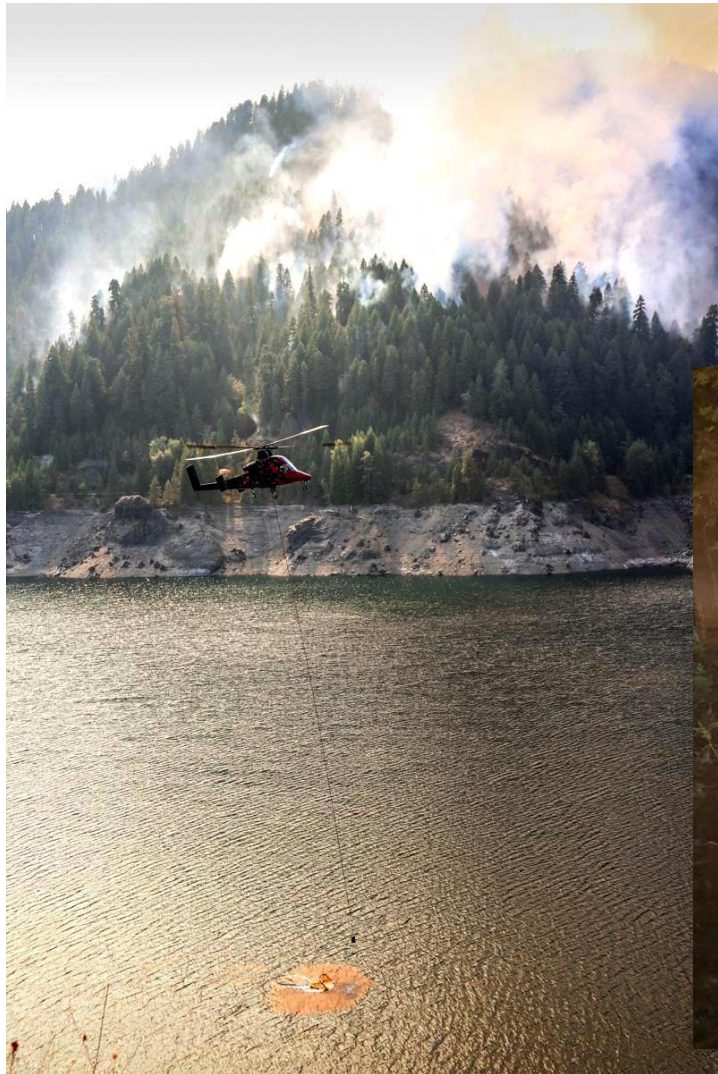
Values at risk:

Livestock
Timberland
Recreation

AGENDA ITEM A
Attachment 01

Page 10

Terwilliger Fire (USFS)



30 miles east of
Springfield

Started Aug. 22
Cause under
investigation

23% contained by
Sept 2

8,446 Acres

Values at risk:
Timberland
Scenic, Recreation

AGENDA ITEM A
Attachment 01

Page 20 of 26



MP54, MP163, Hugo Road Fires (ODF)



8/31-9/02

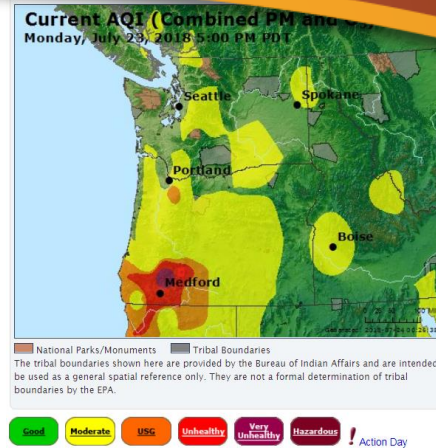
DFPA and SWO
Districts

MP54 and MP163
vehicle caused

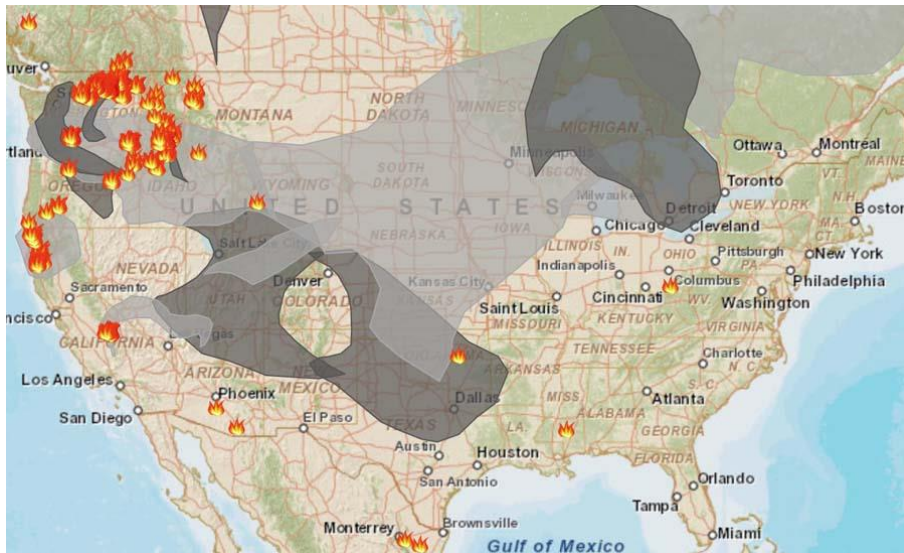
FEMA Hugo Road FMAG and
Conflagration (OSFM
Red Team)

All three in mop-up

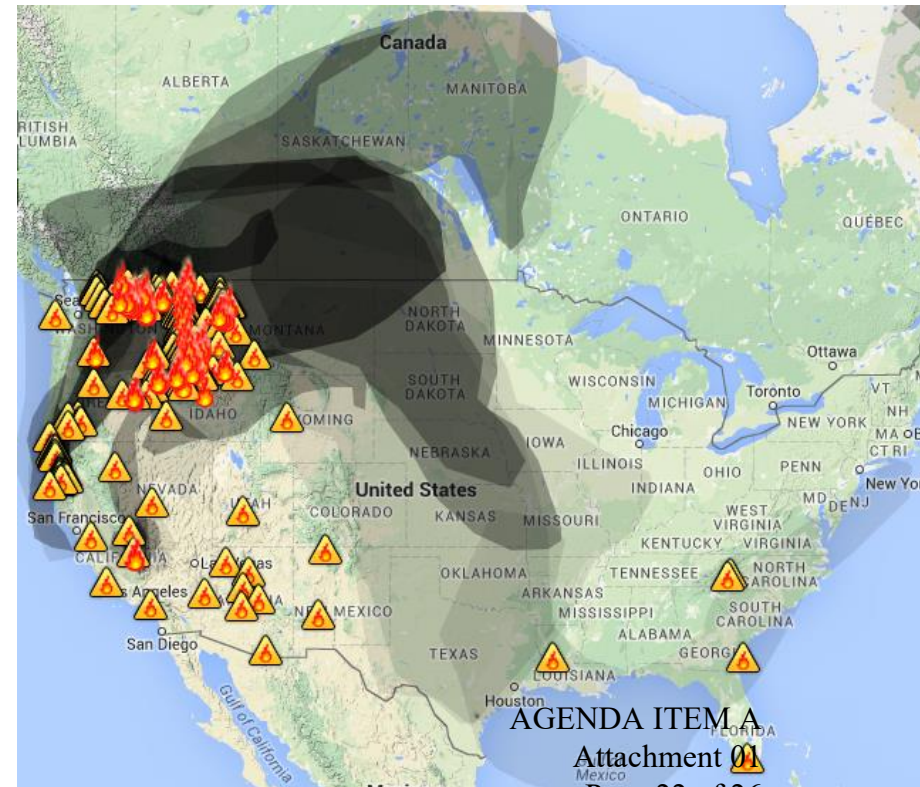
Ongoing Air Quality/ Smoke Checks



Air Quality
7/23/2018



Smoke 8/22/2018



Smoke 8/26/2018

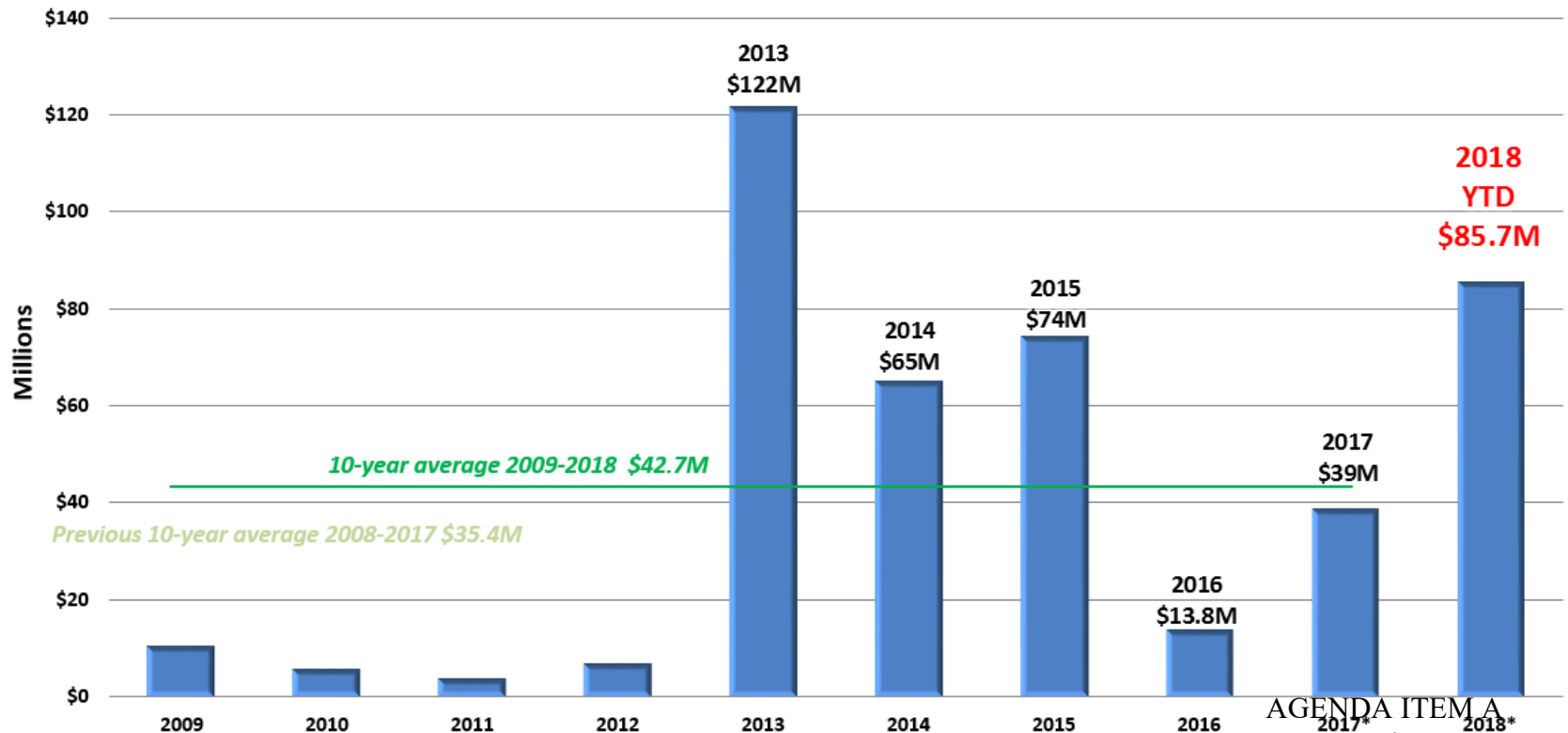
Gross Large Fire Costs 8/30/2018



Gross Large Fire Suppression Costs

ODF Fire EFCC data 8/30/2018.

Values are by Calendar Year, 10-year average from 2009-2018.



*includes draft claims figures

AGENDA ITEM A
Attachment 01

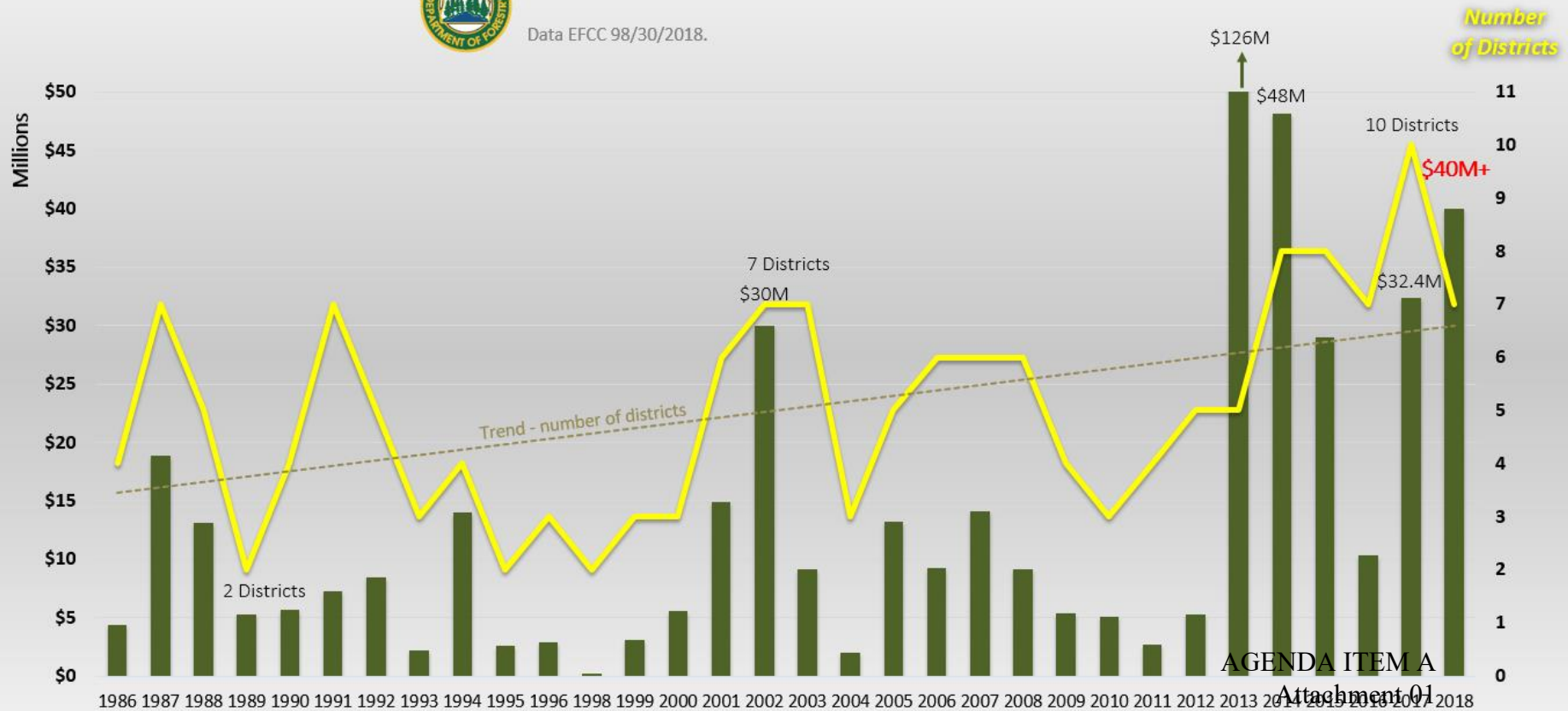
Page 23 of 26

2013-2018 YTD Net Claims



EFCC Net Claims - Fire Seasons 1986-2018YTD

Data EFCC 98/30/2018.



AGENDA ITEM A

Attachment 01

Closing

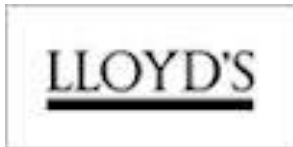


- Despite severe conditions, there have been many successes in Fire Season 2018.
 - District Initial Attack/Extended Attack effectiveness
 - Severity Resource engagement
 - ODF Incident Management Teams
 - Landowner, Operator and contractor involvement
- 2018 is on track to exceed the 10-year averages in both number of fires and acres burned.
- Settling financials from the 2018 season will be a substantial workload and stretch capacity throughout the “off-season”.
- A few chapters remain to be written in the 2018 Fire Season story.

Oregon's Complete & Coordinated Fire Protection System



OREGON FOREST & INDUSTRIES COUNCIL



WASHINGTON STATE DEPARTMENT OF
Natural Resources



United States Department of Agriculture



AGENDA ITEM A
Attachment 01
Page 26 of 26

