



2019 FIRE SEASON

Outlook, Preparedness and FY 20 District Budgets Board of Forestry

June 05, 2019

Doug Grafe, Fire Protection Division Chief, ODF

Ron Graham, Fire Protection Division Deputy Chief, ODF

Nick Yonker, Manager, ODF Smoke Management

AGENDA ITEM A

Attachment 3

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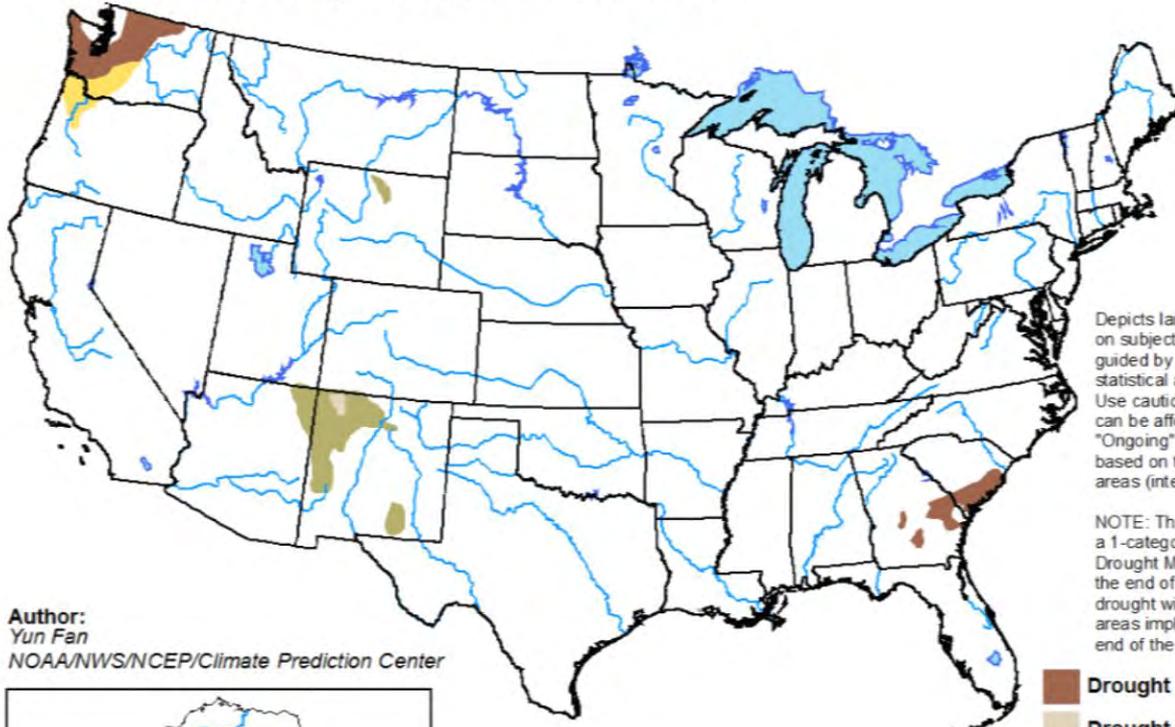


Drought Monitor

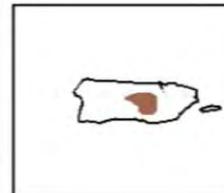


U.S. Seasonal Drought Outlook Drought Tendency During the Valid Period

Valid for May 16 - August 31, 2019
Released May 16



Author:
Yun Fan
NOAA/NWS/NCEP/Climate Prediction Center



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).

-  Drought persists
-  Drought remains but improves
-  Drought removal likely
-  Drought development likely



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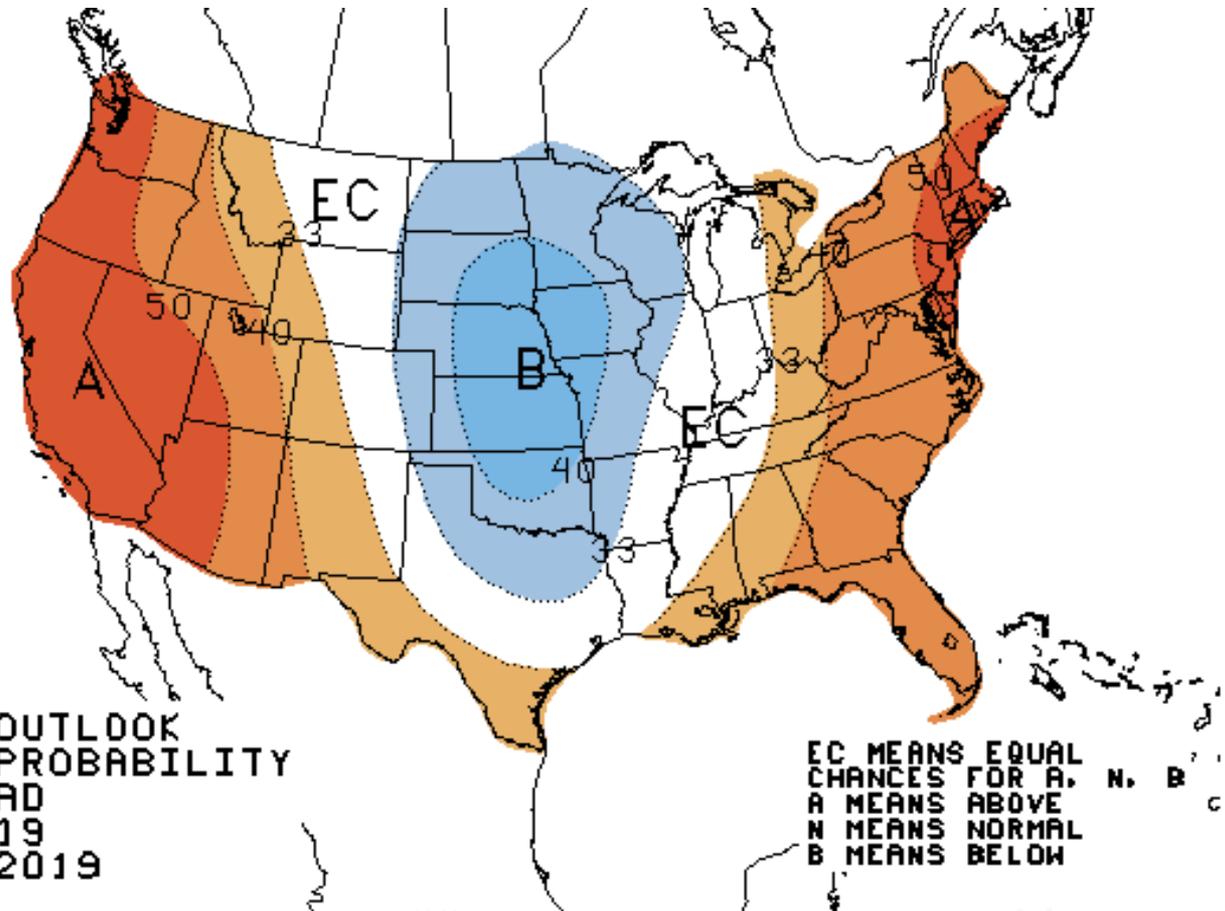
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<http://go.usa.gov/3eZ73>

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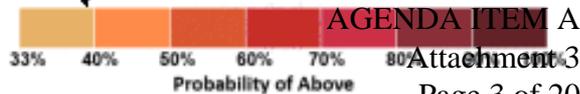
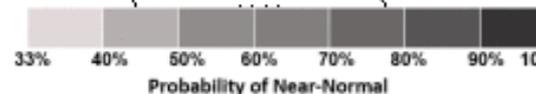
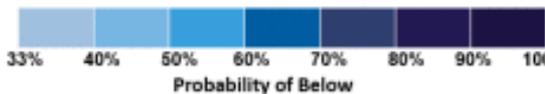
Temperature Probability

June, July, August 2019



THREE-MONTH OUTLOOK
TEMPERATURE PROBABILITY
0.5 MONTH LEAD
VALID JJA 2019
MADE 16 MAY 2019

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

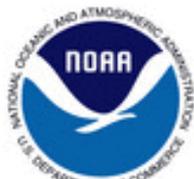
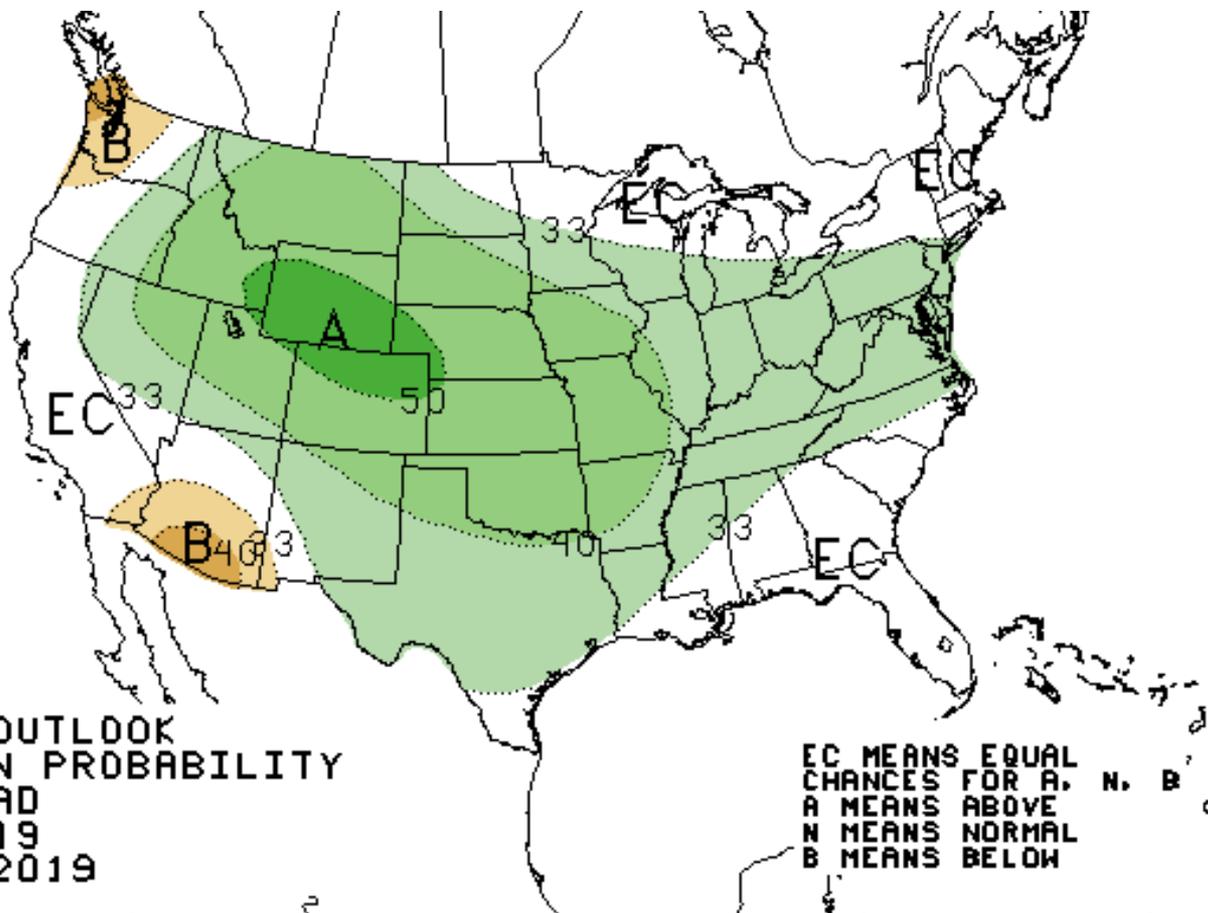


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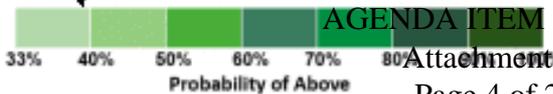
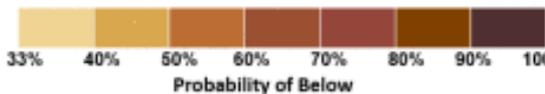
Precipitation Probability

June, July, August 2019



THREE-MONTH OUTLOOK
 PRECIPITATION PROBABILITY
 0.5 MONTH LEAD
 VALID JJA 2019
 MADE 16 MAY 2019

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



AGENDA ITEM A

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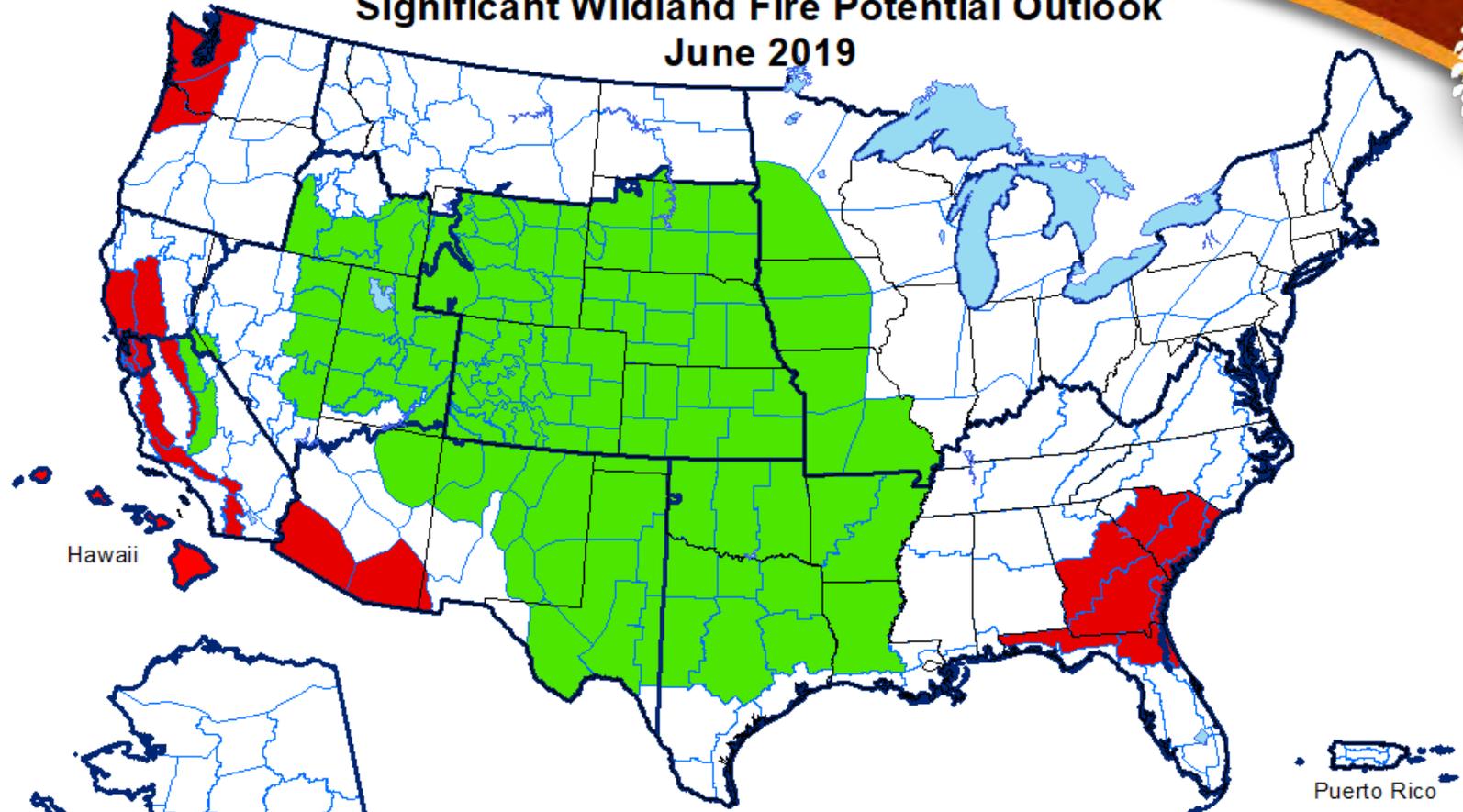
Key Indicators



- Below normal snowpack – *No*
- Early snowmelt – *Yes, Cascades west*
- Long-term drought – *No*
- Below normal June rainfall – *Possible, Cascades west*
- Dry July / August – *Possible, Cascades, west*
- Dry lightning episodes (2-3 per summer?) – *Possible*
- Early fire season – *Possible to likely, Cascades west*
- **Above-average fire season, Cascades west**



Significant Wildland Fire Potential Outlook June 2019



Hawaii

Alaska

Puerto Rico

Significant Wildland Fire Potential			
	Above Normal		Geographic Area Boundary
	Below Normal		Predictive Services Area Boundary
	Normal		State Border

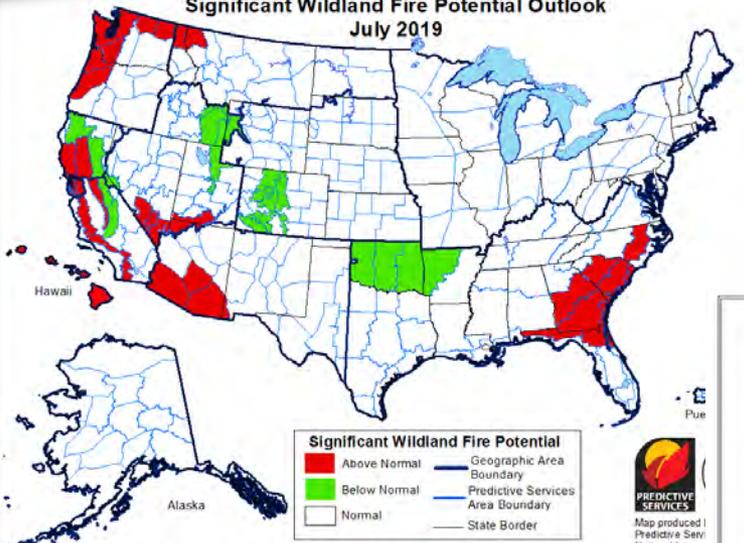


Map produced by
 Predictive Services
 National Interagency Fire Center
 Boise, Idaho
 Issued June 1, 2019
 Next issuance July 1, 2019

Above normal significant wildland fire potential indicates a greater than usual likelihood that significant wildland fires will occur. Significant wildland fires should be expected at typical times and intervals during normal significant wildland fire potential conditions. Significant wildland fires are still possible but less likely than usual during forecasted below normal periods.



Significant Wildland Fire Potential Outlook July 2019



Significant Wildland Fire Potential

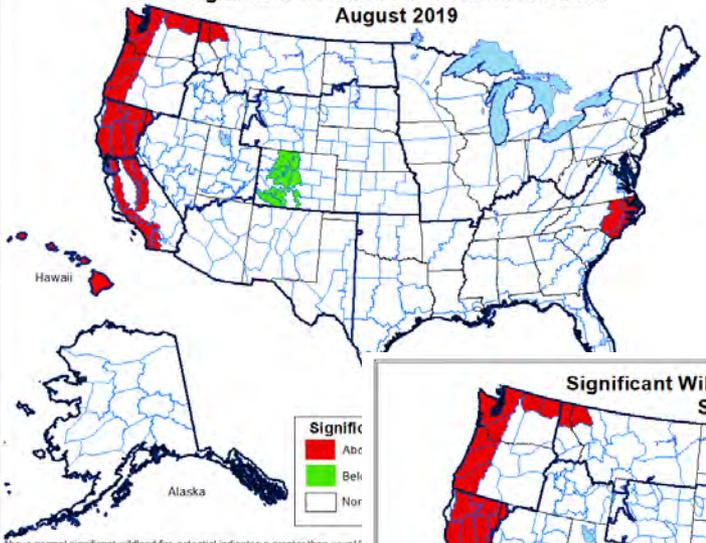
■ Above Normal	— Geographic Area Boundary
■ Below Normal	— Predictive Services Area Boundary
□ Normal	— State Border



Map produced by Predictive Services, National Interagency Fire Center, Boise, Idaho. Issued June 1, 2019. Next issuance: July 1, 2019.

Above normal significant wildland fire potential indicates a greater than usual likelihood that significant wildland fires will occur. Significant wildland fires should be expected at typical times and intervals during normal significant wildland fire potential conditions. Significant wildland fires are still possible but less likely than usual during forecasted below normal periods.

Significant Wildland Fire Potential Outlook August 2019

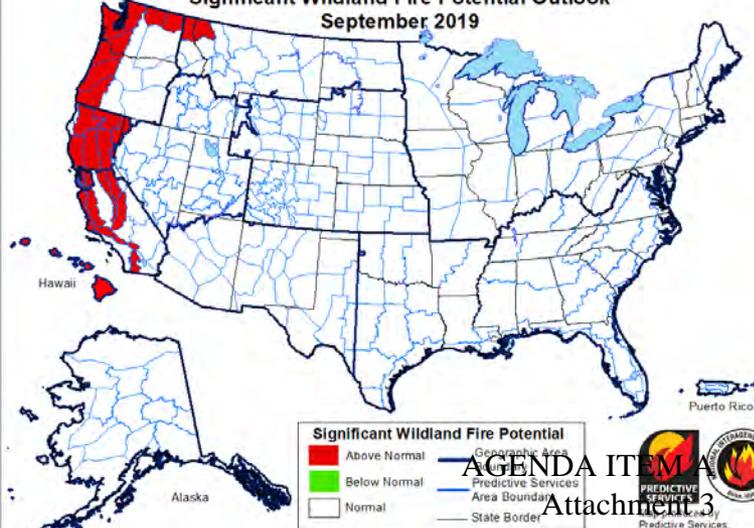


Significant Wildland Fire Potential

■ Above Normal
■ Below Normal
□ Normal

Above normal significant wildland fire potential indicates a greater than usual likelihood that significant wildland fires will occur. Significant wildland fires should be expected at typical times and intervals during normal significant wildland fire potential conditions. Significant wildland fires are still possible but less likely than usual during forecasted below normal periods.

Significant Wildland Fire Potential Outlook September 2019



Significant Wildland Fire Potential

■ Above Normal	— Geographic Area Boundary
■ Below Normal	— Predictive Services Area Boundary
□ Normal	— State Border

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Significant Wildland Fire Potential

■ Above Normal	— Geographic Area Boundary
■ Below Normal	— Predictive Services Area Boundary
□ Normal	— State Border

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Predictive Services, National Interagency Fire Center
Issued June 1, 2019
Next issuance July 1, 2019



Fire Statistics to date

June 3, 2019

2019 Year To Date

	Fires	Acres
Lightning	2	0
Human	157	1,021
Total	159	1,021

Last Year (2018 Year To Date)

Lightning	27	38
Human	133	179
Total	160	217

10 Year Average (2009-2018 Year To Date)

Lightning	18	11
Human	93	395
Total	111	406



2019 vs Last Year

- 18% more human fires
- 470% more human acres
- 371% more total acres burned than this time last year



2019 vs 10 Year Average

- 42% more fires
- 69% more human fires
- 158% more human acres
- 151% more acres burned than our 10-yr average

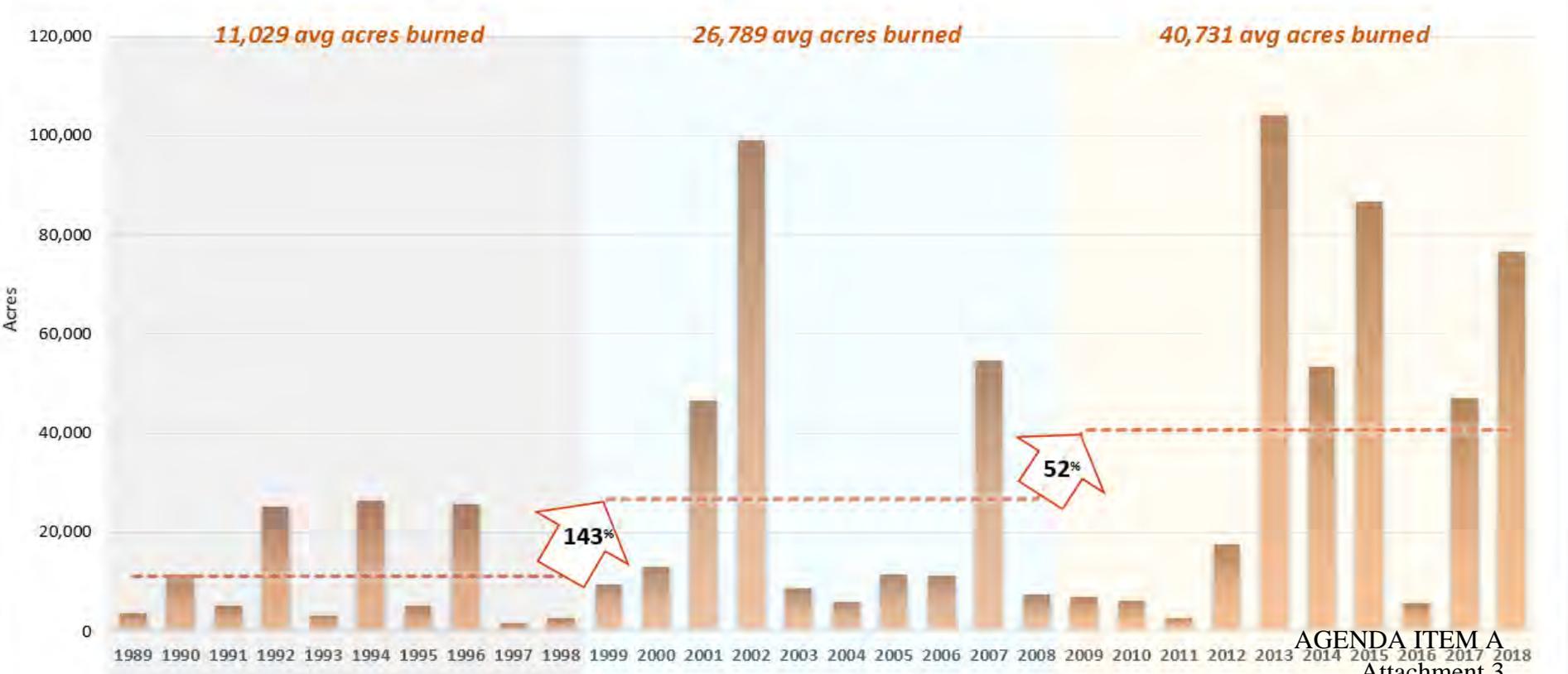


ODF Protected Lands

Average Acres Burned by Decade

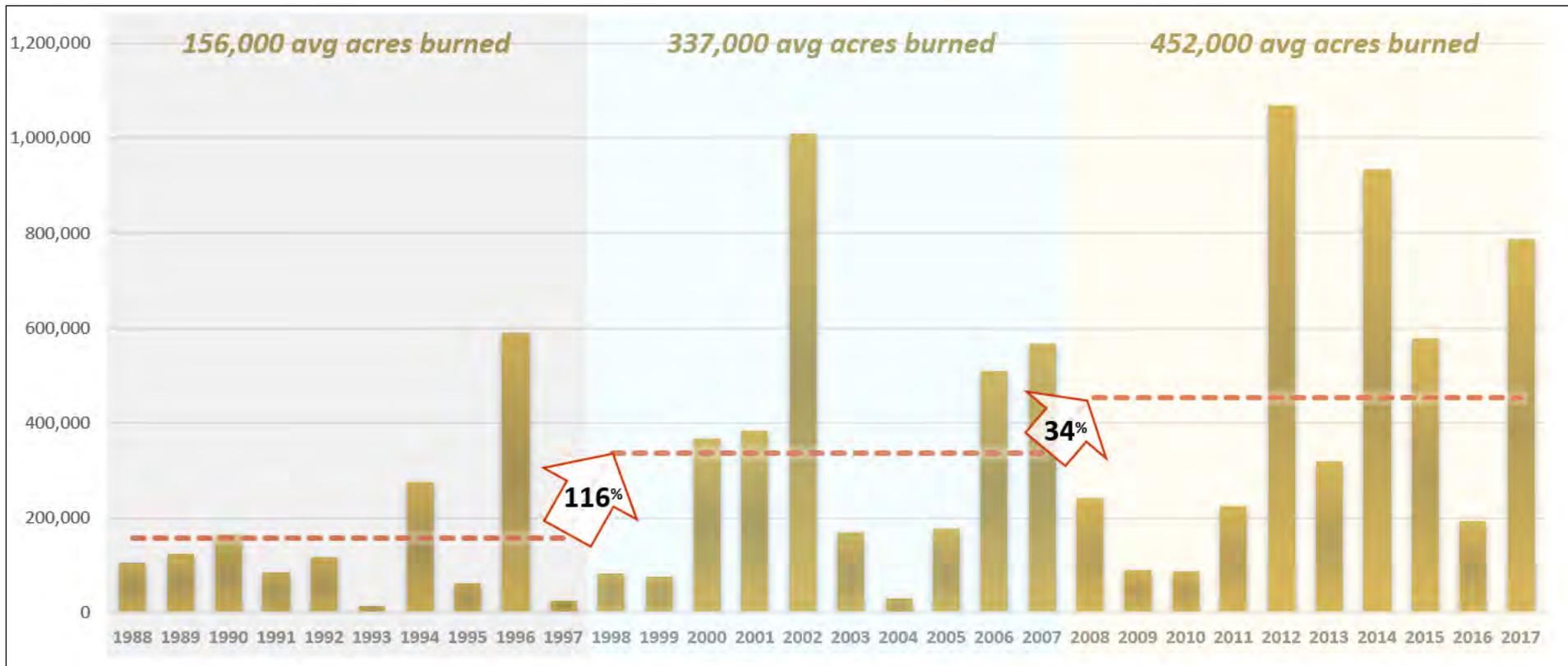


ODF Protected Lands - Average Acres Burned by Decade
2/14/2019 ODF Fires data.





Oregon Statewide - All Agencies Average Acres Burned by Decade





2019 Fire Season Readiness

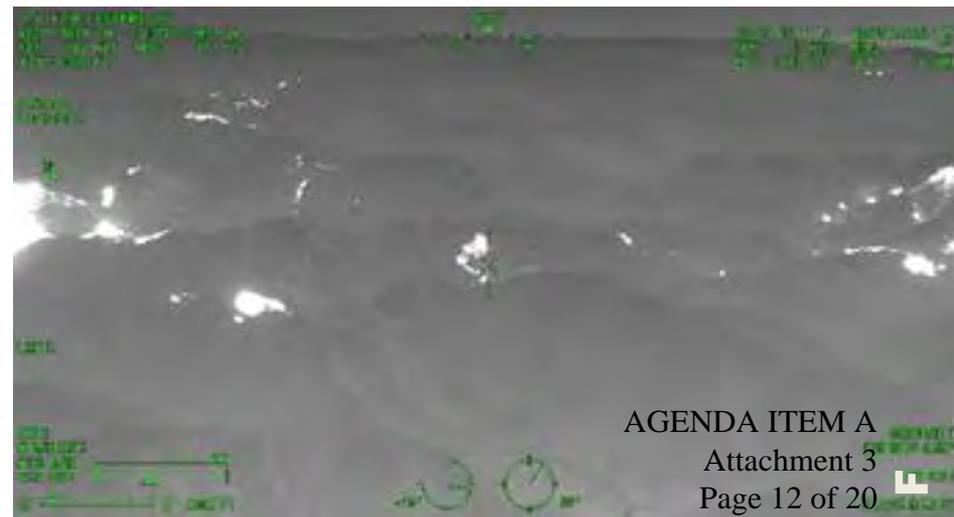
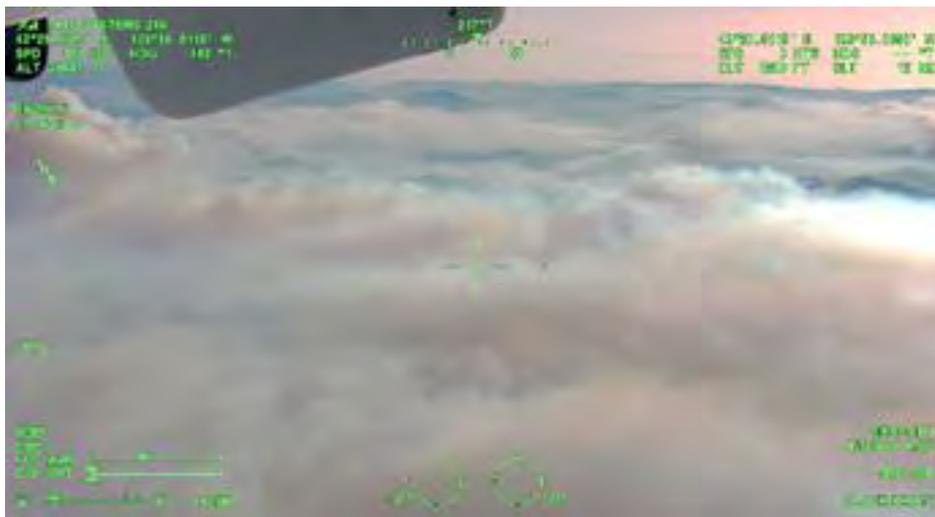
- Lessons Learned from 2018 Fire Season
- Annual Agreements Updated
- Catastrophic Wildfire Insurance Policy Approved
- Fiscal Budgets providing for “Adequate Protection”
- Seasonal Hiring and Training
- Governor’s Fire Briefing
- Severity Program



Strategic Investments



Project Name: IR & Mapping System Install (Partenavia P-68)			
EFCC Funds Budget: \$692,344			
Total Combined Cost (committed and estimated):		\$692,336.00	
EFCC Funds Remaining		\$8.00	
WBS Number	Description	Committed	*Estimated Cost (subject to change)
1.3.3	Night Vision Goggle Cockpit Retrofit	\$ 36,270.00	\$ -
1.3.4	Night Vision Goggles	\$ -	\$ 45,000.00
1.3.5	Mapping system/ Install	\$ 78,300.00	\$ -
1.3.6	Sensor Mount/Install	\$ -	\$ 91,780.00
1.3.7	IR Sensor /Install	\$ 440,986.00	\$ -
Subtotals		\$ 555,556.00	\$ 136,780.00

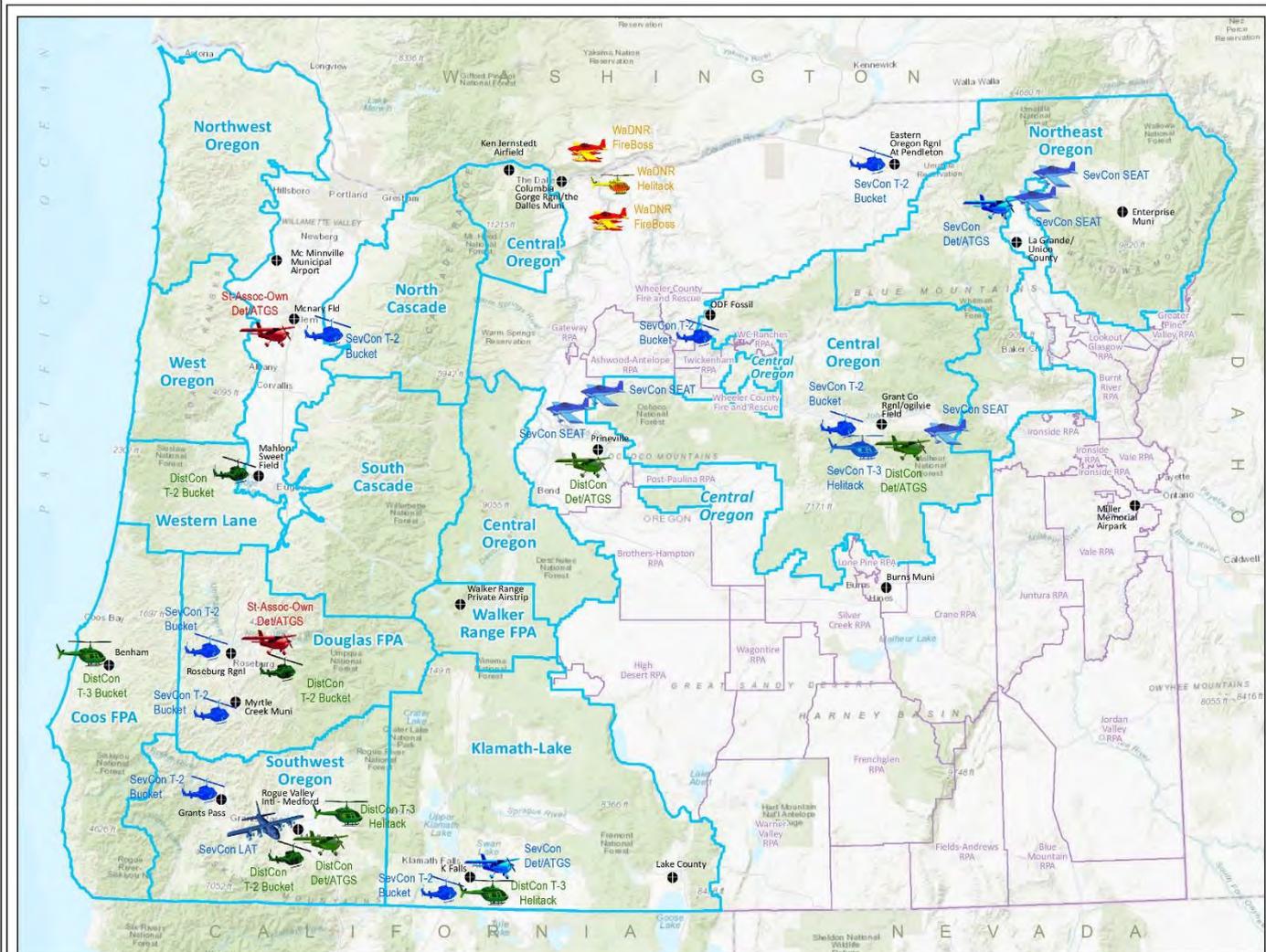


Strategic Investments





Aviation Resources - Including Severity



ODF Aviation Resources 2019

State & Association

Detection/ATGS
150 miles/60 mins

District Contracted

Detection/ATGS

T2 Bucket
60 miles/30 mins

T3 Bucket & T3 Helitack
50 miles/30 mins

Severity Contracted

Detection/ATGS

T2 Bucket

SEAT
75 miles/20 mins

T3 Helitack

LAT
250 miles/60 mins

WA DNR

Fireboss
 Helitack

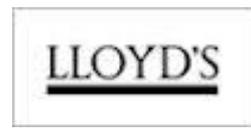
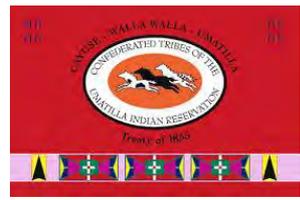
- Airports ODF Use
- ODF Fire Protection Districts
- Rangeland Protection Associations



AGENDA ITEM

Attachment

Oregon's Complete & Coordinated Fire Protection System



2020 Fiscal Fire Protection Budgets



The Base Level:

The “Local Fire Department”

Statewide Severity:

Additional Resources above the base funded by General Fund and OFLPF

Large Fire Cost:

Blend: General Fund, Oregon Forestland Protection Fund, Insurance Policy, FEMA

AGENDA ITEM A

Attachment 3

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Funding Partnership



- Century-year-old system
- Complete and Coordinated Fire Protection System
 - State Office, Area, Districts and Associations
 - Cooperators, Landowners, Operators and Contractors
- Complex blend of private and public dollars
 - Private Landowners 50% / General Fund 50%
 - Public Landowners 100%

The Base Level of Fire Protection



- 16.6 Million Acres (half of Oregon's Forestland)
- 12 Fire Protection Districts
- Initial and Extended Attack Capacity
 - Engines
 - District Contract Helicopters
 - IA Dozers
 - Frontline Seasonal Firefighters

Budget Development

“Base Level”



- District's develop fiscal budget
- Review and guided by Associations / Boards
- Establishes the Level of Protection and associated costs (per-acre assessment)
- Legislative policy determines ratio (ORS 477.230)
- At the Spring FPA Association meetings, all Associations recommended approval of fiscal budgets



Recommendation

The Department recommends the Board approve all Fiscal Year 2020 District and Association Protection Budgets and Prorated Acreage Rates as presented in Agenda Item 3, Attachment 1.