



NFDRS2016 ROLLOUT ACTION PLAN

Operational Period
February 2020

INCIDENT OBJECTIVES

ICS-202

1 INCIDENT NAME

NFDRS ROLL OUT

2. DATE PREPARED

1/31/20

3. TIME PREPARED

1600

4. OPERATIONAL PERIOD (DATE/TIME)

February 2020

5. GENERAL CONTROL OBJECTIVES FOR THE INCIDENT (INCLUDE ALTERNATIVES)

- **Present the science supporting the new version of the National Fire Danger Rating System 2016 (NFDRS2016) to the local units.**
- **Provide an interagency framework for a standardized approach to applying fire danger based decisions at the local level by 2021.**
- **Coordinate scheduling and delivery of workshops with Geographic Area (GA) leadership groups to ensure each is provided with consistent workshop content in addition to cadre or other support as needed to maximize participation by local units within the the GA and facilitate transition to new NFDRS implementation.**

6. NFDRS Firenet INFO

Click on the following link for NFDRS16 information: <https://sites.google.com/firenet.gov/nfdrs>

7. GENERAL MESSAGE

Please review this document for accuracy and missing information. All changes need to be in by 1500 (EDT) the last business day of the month (next 2/28). Send changes to:

janan.hay@usda.gov or 423-790-6039

Additional information can be obtained and shared on the GACC Leadership monthly calls on the 3rd Thursday of each month: <https://usfs.zoomgov.com/j/16082148669>

ORGANIZATION LIST (ICS 203)

MEDICAL PLAN (ICS 206)

WEATHER SPOT FORECAST

ASSIGNMENT LIST (ICS 204)

AIR OPS. SUMMARY (ICS 220)

FIRE BEHAVIOR FORECAST

COMMUNICATION PLAN

SAFETY MESSAGE

INCIDENT EMERGENCY PLAN

9. PREPARED BY (PLANNING SECTION CHIEF)

/s/ David Berens – PSC1

10. APPROVED BY (INCIDENT COMMANDER)

/s/ Jen Cross

ICS 202

ORGANIZATION ASSIGNMENT LIST

ICS-203

1. INCIDENT NAME

NFDRS ROLL OUT

2. DATE PREPARED

1/31/2020

3. TIME PREPARED
1600

4. OPERATIONAL PERIOD

DATE: February 2020

5. Advanced NFDRS Steering Committee

Committee Role	Name	Agency
Chair	Clint Cross	USFS
Primary Member	JoAnne Ware	NAFRI
Primary Member	Bill Miller	NAFRI
Primary Member	E.J. Bunzendahl	USFS
Primary Member	Chris Waters	Western States Rep
Primary Member	Linnea Keating	USFS
Primary Member	Steve Larrabee	BIA
Primary Member	Lindsey Curtin	USFS
Primary Member	David Greathouse	Eastern States Rep
Primary Member	Andrew Bailey	AGOL SME
Primary Member	Boone Zimmerlee	Western States Rep
Primary Member	Chuck Maxwell	USFS
Primary Member	Bill Glesener	Eastern States Rep
Primary Member	Arthur Gonzales	USFS
Primary Member	Gwenan Poirier	BLM
Primary Member	Shelby Law	BLM
Primary Member	Randy Striplin	USFS

6. NFDRS Fire Danger Sub Committee

Committee Role	Name	Agency
Chair	Jon Wallace	USFWS
Primary Member	Don Copple	Western States Rep
Primary Member	Clint Cross	USFS
Primary Member	Heath Hockenberry	NOAA
Primary Member	Matt Jolly	USFS-RMRS
Primary Member	Steve Larrabee	BIA
Primary Member	Karla Luttrell	BLM
Primary Member		NPS
Primary Member	Brad Smith	Eastern States Rep
Primary Member	Scott Swendsen	USFS
Primary Member	Tom St. Claire	BLM
NWCG Coordinator	Paul Schlobohm	BLM

7. NFDRS Roll Out Task Group

NIMO Liaison	Bob Houseman
NIMO Plans	Janan Hay Sharp
Workshop Curriculum Dev	Jeffrey Kline
Comm Plan Implementation	Gary Jarvis

8. Agency Representatives and SME's

Forest Service-FAM IT	Mick Baldwin
WIMS Project MGT	Mick Baldwin
FireFamilyPlus SME	Faith Ann Heinsch

9. Operations Section

CHIEF
CHIEF
CHIEF

a. GA's

Northern Rockies
Rocky Mountains
Southwest
Great Basin
Pacific SW
Pacific NW
Southern
Eastern
Alaska

Julie Shea
Flint Cheney/Gwenan Poirier
Abie Carabejal/William Basye
Shelby Law/Linda Chappell/Craig Glazier
Jana Luis/Dee Dee Cherry
Mark Johnson/Timothy Klukas
Allan Hepworth/Jon Wallace
Ray Parrish/Steve Marien/Steve Swendsen
Dave Whitmer/ Tom St. Clair/Casey Boespflug

b. NFDRS 2016 Evaluation Group

Lead

Mark Pater/Jennifer Croft

c. Workshop Curriculum Development Group

Lead

Jeffrey Kline

d. WFDSS Transition Group

Lead

Lauren Hilsabeck

e.

10.

1. BRANCH		2. GA Northern Rockies		GA ASSIGNMENT LIST ICS-204	
3. INCIDENT NAME NFDRS Roll Out			4. OPERATIONAL PERIOD Date: February 2020 Time:		
5. OPERATIONS PERSONNEL					
GA LEAD Julie Shea		julie.shea@usda.gov		406-531-0237	
6.					
	EMAIL	Phone			
Jonathan Olsen	jonathan.olsen@usda.gov	406-868-7926			
Matt Jolly	matt.jolly@usda.gov	406-329-4848			
John Huston	jhuston@mt.gov	406-431-2562			
Mark Conway	mark.conway@usda.gov	406-731-5305			
Don Copple	dcopple@mt.gov	406-865-0556			
Kathy Pipkin	kathy.pipkin@usda.gov	406-329-4709			
Teresa Sage	teresa.sage@usda.gov	406-829-7052			
Karly DeMars	kdemars@blm.gov	406-538-1991			
Faith Ann Heinsch	faith.heinsch@usda.gov	406-829-7342			
7. CONTROL OPERATIONS					
<p>The following workshops are planned:</p> <ul style="list-style-type: none"> February 24-28, 2020 - Missoula, MT Additional training cadre assistance requested. <p>Completed workshops:</p> <ul style="list-style-type: none"> April 2019 - Missoula, MT <p>Evaluation of Plans</p> <ul style="list-style-type: none"> 					
8. SPECIAL INSTRUCTIONS					
PREPARED BY (RESOURCE UNIT LEADER)		APPROVED BY (PLANNING SECTION CHIEF)		DATE	TIME
/s/ David Berens PSC1		/s/ David Berens PSC1		1/31/2020	1600

1. BRANCH		2. GA Rocky Mountain		GA ASSIGNMENT LIST ICS-204	
3. INCIDENT NAME NFDRS ROLL OUT			4. OPERATIONAL PERIOD Date: February 2020 Time:		
5. OPERATIONS PERSONNEL					
GA LEADS					
Flint Cheney		flint.cheney@usda.gov		303-886-2179	
Gwenan Poirier		gpoirier@blm.gov		303-945-6709	
6.					
GA Cadre	EMAIL	Phone			
Randy Chappell	rchappell@blm.gov	970-596-6343			
Nate Williamson	nathan_williamson@nps.gov	970-227-7708			
Rich Sterry	richard_sterry@fws.gov	303-236-8124			
Cordell Taylor	cordell.taylor@usda.gov	859-556-2286			
Scott Molinari	scott.molinari@usda.gov	970-295-6831			
Cary Newman	cary.newman@usda.gov	970-946-7276			
Andy Solvie	andy.solvie@usda.gov	605-381-7397			
Josh Shroyer	josh.Shroyer@wyo.gov	307-851-1482			
Rocco Snart	rocco.snart@state.co.us	720-347-7234			
Jay Wickham	jay.wickham@state.sd.us	605-415-5422			
7. CONTROL OPERATIONS					
All workshops completed					
8. SPECIAL INSTRUCTIONS					
PREPARED BY (RESOURCE UNIT LEADER)		APPROVED BY (PLANNING SECTION CHIEF)		DATE	TIME
/s/ David Berens PSC1		/s/ David Berens PSC1		1/31/2020	1600

1. BRANCH		2. GA Southwest		GA ASSIGNMENT LIST ICS-204	
3. INCIDENT NAME NFDRS ROLL OUT			4. OPERATIONAL PERIOD Date: February 2020 Time:		
5. OPERATIONS PERSONNEL					
GA LEADS					
Abie Carabajal		abie.carabajal@usda.gov		505-842-3460	
William Basye		william.basye@usda.gov		505-842-3115	
6.					
GA Cadre	EMAIL	Phone			
Arthur Gonzales	arthur.gonzales@usda.gov	928-635-8340			
Chris Stetson	christopher.stetson@usda.gov	520-388-8360			
Wes Hall	wesley.hall@usda.gov	575-434-7200			
Rance Marquez	rmarquez@blm.gov	602-417-9305			
Chuck Maxwell	charles.maxwell@usda.gov	505-842-3419			
Harold Riggs	harold.riggs@usda.gov	505-842-3894			
Mark Pater	mpater04@gmail.com	520-507-9295			
John Thornburg	john.thornburg@usda.gov	520-269-3906			
Jason Cress	jason.cress@usda.gov	928-414-7912			
Rocky Gilbert	rocky.gilbert@usda.gov	480-457-1575			
Mike Wilke	michael.wilke@usda.gov	520-202-2710			
Scott Bradshaw	ronald.bradshaw@bia.gov	208-387-5373			
Cheryl Bright	cheryl.bright@bia.gov	208-387-5174			
7. CONTROL OPERATIONS					
<p>The following workshops are planned:</p> <p>Completed workshops:</p> <ul style="list-style-type: none"> January 2020 – Arizona <p>Evaluation of Plans</p> <ul style="list-style-type: none"> . 					
8. SPECIAL INSTRUCTIONS					
PREPARED BY (RESOURCE UNIT LEADER)		APPROVED BY (PLANNING SECTION CHIEF)		DATE	TIME
/s/ David Berens PSC1		/s/ David Berens PSC1		1/31/2020	1600

1. BRANCH		2. GA Great Basin		GA ASSIGNMENT LIST ICS-204	
3. INCIDENT NAME NFDRS ROLL OUT			4. OPERATIONAL PERIOD Date: February 2020 Time:		
5. OPERATIONS PERSONNEL					
GA LEADS		EMAIL		PHONE	
Shelby Law		slaw@blm.gov		801-531-5320	
Linda Chappell		linda.chappell@usda.gov		801-625-5505	
Craig Glazier		craig.glazier@usda.gov		801-625-5513	
6.					
GA Cadre	EMAIL	Phone			
Ian Rickert	ian.rickert@usda.gov	208-731-6338			
Clark Maughan	cmaughan@blm.gov	435-259-9647			
Eric Neiswanger	eric.neiswanger@usda.gov	307-231-0029			
Scott Tobler	scott.tobler@usda.gov	435-691-3927			
Andrew Bailey	andrew_bailey@nps.gov	208-387-5248			
Darcy McDaniel	dmcdaniel@blm.gov	775-861-6523			
7. CONTROL OPERATIONS					
<p>The following workshops are planned:</p> <ul style="list-style-type: none"> • March 17-19, 2020 – Boise, ID • <p>Completed workshops:</p> <ul style="list-style-type: none"> • March 2019 - Utah and Idaho • November 2019 - Idaho/Wyoming <p>Evaluation of Plans</p> <ul style="list-style-type: none"> • 					
8. SPECIAL INSTRUCTIONS					
PREPARED BY (RESOURCE UNIT LEADER)		APPROVED BY (PLANNING SECTION CHIEF)		DATE	TIME
/s/ David Berens PSC1		/s/ David Berens PSC1		1/31/2020	1600

1. BRANCH		2. GA California		GA ASSIGNMENT LIST ICS-204	
3. INCIDENT NAME NFDRS ROLL OUT			4. OPERATIONAL PERIOD Date: February 2020 Time:		
5. OPERATIONS PERSONNEL					
GA LEADS					
Jana Luis		jana.luis@fire.ca.gov		916-213-9939	
DeeDee Cherry		deirdre.cherry@usda.gov		530-227-2198	
6.					
GA Cadre	EMAIL	Phone	GA Cadre	EMAIL	Phone
Randy Striplin	randy.striplin@usda.gov	530-543-2646	James Savage	jsavage@blm.gov	916-978-4431
Amy Ziegler	amy.ziegler@usda.gov	707-441-3617	Teresa Riesenhuber	teresa.riesenhuber@usda.gov	530-621-5223
Patrick Doyle	patrick.doyle@usda.gov	707-562-8877	Kirsten Allison	kristen.allison@usda.gov	714-642-0358
Barbara Geringer-Frazier	barbara.geringer-frazier@usda.gov	707-656-6080	Rob Holt	robert.holt@usda.gov	530-339-1144
Rob Krohn	robert.krohn@usda.gov	951-782-4852	Thomas Buckner	thomas.buckner@usda.gov	530-598-6392
Steve Leach	sleach@blm.gov	530-226-2730	Andy Turner	andy.turner@fire.ca.gov	559-347-1215
Chris Waters	chris.waters@fire.ca.gov	530-919-4550	Rachel Brady	rachel.brady@fire.ca.gov	530-227-8171
Tiffany Meyer	tiffany.meyer@fire.ca.gov	916-445-5397	Steve Volmer	stephen.volmer@fire.ca.gov	661-618-4908
Troy Velin	troy.velin@fire.ca.gov		Philip SeLegue	philip.selegue@fire.ca.gov	530-356-4824
Mike Blankenheim	mike.blankenheim@fire.ca.gov	530-708-2702	Kip Van de Water	kip.vandewater@usda.gov	530-598-9354
Greg Hosburg	greghosburg@gmail.com	951-660-6361	Scott Flynn	scott.flynn@usda.gov	530-335-4103
7. CONTROL OPERATIONS					
<p>The following workshops are planned:</p> <ul style="list-style-type: none"> March 16-20, 2020 Mather, CA <p>Completed workshops:</p> <ul style="list-style-type: none"> February 2019 - Sacramento December 2019 – Sacramento <p>Evaluation of Plans</p> <ul style="list-style-type: none"> 					
8. SPECIAL INSTRUCTIONS					
PREPARED BY (RESOURCE UNIT LEADER)		APPROVED BY (PLANNING SECTION CHIEF)		DATE	TIME
/s/ David Berens PSC1		/s/ David Berens PSC1		1/31/2020	1600

1. BRANCH		2. GA Northwest		GA ASSIGNMENT LIST ICS-204	
3. INCIDENT NAME NFDRS ROLL OUT			4. OPERATIONAL PERIOD Date: February 2020 Time:		
5. OPERATIONS PERSONNEL					
GA LEADS					
Mark Johnson		mark.e.johnson@usda.gov		541-523-1210	
Tim Klukas		timothy_klukas@nps.gov		503-808-2733	
6.					
GA Cadre	EMAIL	Phone			
Mark Johnson	mark.e.johnson@usda.gov	541-975-5433			
Brian Ebert	brian.ebert@usda.gov	541-278-3804			
Sara Bush	sara.bush@usda.gov	541-575-3105			
Mike Pagoaga	mpagoaga@blm.gov	208-559-3888			
Boone Zimmerlee	boone.zimmerlee@oregon.gov	541-337-5007			
Vaughn Cork	vaughn.cork@dnr.wa.gov	360-775-6889			
Brian Maier	brian.maier@usda.gov	509-664-9246			
Justin Lauer	justin.b.lauer@oregon.gov	541-215-7072			
7. CONTROL OPERATIONS					
All workshops completed					
Evaluation of Plans					
•					
8. SPECIAL INSTRUCTIONS					
PREPARED BY (RESOURCE UNIT LEADER)		APPROVED BY (PLANNING SECTION CHIEF)		DATE	TIME
/s/ David Berens PSC1		/s/ David Berens PSC1		1/31/2020	1600

1. BRANCH		2. GA Southern		GA ASSIGNMENT LIST ICS-204	
3. INCIDENT NAME NFDRS Roll Out			4. OPERATIONAL PERIOD Date: February 2020 Time:		
5. OPERATIONS PERSONNEL					
GA LEAD Allan Hepworth		allan.hepworth@usda.gov		- 404-347-3463	
Jon Wallace		jon_wallace@fsw.gov		208-830-1854	
6.					
GA Cadre	EMAIL	Phone			
EJ Bunzendahl	elizabeth.bunzendahl@usda.gov	859-745-3148			
Tim Howell	tim.howell@ncagr.gov	828-400-3728			
Jennifer Anderson	jennifer.r.anderson@usda.gov	850-728-8206			
Brad Smith	bsmith@tfs.tamu.edu	979-220-1398			
Lindsey Curtin	lindsey.curtin@usda.gov	540-265-5220			
Andy Pascarella	andrew.pascarella@usda.gov	540-265-5210			
Daron Reynolds	daron.reynolds@usda.gov	307-745-2358			
Denver Ingram	denver_ingram@nps.gov	678-320-3008			
Mike Ward	michael.d.ward@usda.gov	404-347-3192			
Mike Dunivan	mdunivan@tfs.tamu.edu	979-220-0718			
Andrew Page	andrew.w.page@usda.gov	850-508-2540			
<ul style="list-style-type: none"> CONTROL OPERATIONS <p>The following workshops are planned:</p> <ul style="list-style-type: none"> February 24-28 2020 – Kentucky February 2020 - Oklahoma <p>Completed workshops:</p> <ul style="list-style-type: none"> June 2019 – Mississippi July 2019 - Alabama September 2019 – Arkansas Oct 2019 – Georgia Oct 2019 - South Carolina Oct 2019 - North Carolina Dec 2019 – Oklahoma, BIA specific January 2020 – Louisiana <p>Evaluation of Plans</p> <ul style="list-style-type: none"> 					
8. SPECIAL INSTRUCTIONS					
PREPARED BY (RESOURCE UNIT LEADER)		APPROVED BY (PLANNING SECTION CHIEF)		DATE	TIME
/s/ David Berens PSC1		/s/ David Berens PSC1		1/31/2020	1600

1. BRANCH		2. GA Eastern		GA ASSIGNMENT LIST ICS-204	
3. INCIDENT NAME NFDRS Roll Out			4. OPERATIONAL PERIOD Date: February 2020 Time:		
5. OPERATIONS PERSONNEL					
GA LEADS					
Ray Parrish		raymond.j.parrish@usda.gov		414.217.3348	
Steve Marien		stephen_marien@nps.gov		651-293-8446	
Scott Swendsen		scott.swendsen@usda.gov		414-297-1412	
6.					
GA Cadre	EMAIL	Phone			
Bennie Terrell	bennie.terrell@usda.gov	573-341-7420			
BJ Glesener	bill.glesener@state.mn.us	218-360-1813 218-322-2709			
Scott Linn	scott.linn@usda.gov	715-889-1824			
Tomas Liogys	tomas_liogys@nps.gov	347-552-1745			
John Ashcraft	john_ashcraft@fws.gov	443-521-3911			
Scott Crist	scott.w.crist@usda.gov	618-521-2180			
Rob Geitner	robert.geitner@usda.gov	414-297-3539			
Jeff Sprovkin	jeffery.sprovkin@usda.gov	618-253-1017			
Melanie Hans	melanie.hans@usda.gov	573-341-7497			
7. CONTROL OPERATIONS					
All workshops completed					
Evaluation of Plans					
8. SPECIAL INSTRUCTIONS					
PREPARED BY (RESOURCE UNIT LEADER)		APPROVED BY (PLANNING SECTION CHIEF)		DATE	TIME
/s/ David Berens PSC1		/s/ David Berens PSC1		1/31/2020	1600

1. BRANCH		2. GA Alaska		GA ASSIGNMENT LIST ICS-204	
3. INCIDENT NAME NFDRS Roll Out			4. OPERATIONAL PERIOD Date: February 2020 Time:		
5. OPERATIONS PERSONNEL					
GA LEADS					
Dave Whitmer		d5whitme@blm.gov		907-356-5642	
Tom St. Clair		tstclair@blm.gov		907-978-0104	
Casey Boespflug		cboespflug@blm.gov		907-482-0055	
5. OPERATIONS PERSONNEL					
GA Cadre	EMAIL	Phone			
Heidi Strader	hstrader@blm.gov	907-356-5691			
Brian Sorbel	brian_sorbel@nps.gov	907-644-3413			
Larry Weddle	larry_weddle@nps.gov	907-683-9548			
Rob Schmoll	robert.schmoll@alaska.gov	907-356-5850			
Bobette Rowe	bobette.rowe@usda.gov	907-288-7732			
Brad Reed	brad.reed@fws.gov	907-786-3985			
Robert Ziel	rhziel@alaska.edu	906-869-3355			
Chris Moore	chmoore@blm.gov	(W)907 356 5570 (C)907 482 0161			
7. CONTROL OPERATIONS					
8. SPECIAL INSTRUCTIONS					
PREPARED BY (RESOURCE UNIT LEADER)		APPROVED BY (PLANNING SECTION CHIEF)		DATE	TIME
/s/ David Berens PSC1		/s/ David Berens PSC1		1/31/2020	1600

1. BRANCH		2. GA NFDRS 2016 Evaluation Group		GA ASSIGNMENT LIST ICS-204	
3. INCIDENT NAME NFDRS Roll Out			4. OPERATIONAL PERIOD Date: February 2020 Time:		
5. OPERATIONS PERSONNEL					
LEADS					
Mark Pater		mpater04@gmail.com		520-507-9295	
Jennifer Croft		jennifer.croft@usda.gov		202-205-1501	
6.					
GA Primary	EMAIL		EMAIL		EMAIL
<u>Northern Rockies-</u> Julie Shea	julie.shea@usda.gov				
<u>Rocky Mountain-</u> Flint Cheney	flint.cheney@usda.gov	Gwenan Poirier	gpoirier@blm.gov		
<u>Southwest-</u> Harold Riggs	harold.riggs@usda.gov	Will Bayse	william.basye@usda.gov		
<u>Great Basin-</u> Linda Chappell	linda.chappell@usda.gov	Shelby Law	slaw@blm.gov	Craig Glazier	craig.glazier@usda.gov
<u>California-</u> Dee Dee Cherry	deirdre.cherry@usda.gov	Jana Luis	jana.luis@fire.ca.gov		
<u>Northwest-</u> Mark Johnson	mark.e.johnson@usda.gov	Tim Klukas	timothy.klukas@nps.gov		
<u>Southern-</u> Allan Hepworth	allan.hepworth@usda.gov	Jon Wallace	jon_wallace@fws.gov		
<u>Eastern-</u> Raymond Parrish	raymond.j.parrish@usda.gov	Scott Swendsen	scott.swendsen@usda.gov	Steve Marien	stephen_marien@nps.gov
<u>Alaska-</u> Dave Whitmer	d5whitme@blm.gov	Tom St. Clair	tstclair@blm.gov	Casey Boespflug	cboespflug@blm.gov
THSP Mike Dunivan	mdunivan@tfs.tamu.edu				
7. CONTROL OPERATIONS					
<p>Task: When feasible, begin comparing prototype outputs using the NFDRS 2016 model with outputs from the unit's current Fire Danger Operating Plan tools.</p> <p>Purpose: Provide a working prototype example that can effectively assist with the development of a Fire Danger Operating Plan using the NFDRS 2016 model.</p> <p>End State: Have a working FDOP prototype in place. Begin refining or creating fire danger planning tools.</p>					
8. SPECIAL INSTRUCTIONS					
PREPARED BY (RESOURCE UNIT LEADER)		APPROVED BY (PLANNING SECTION CHIEF)		DATE	TIME
/s/ David Berens PSC1		/s/ David Berens PSC1		1/31/2020	1600

1. BRANCH	Workshop Curriculum Development	GA ASSIGNMENT LIST ICS-204
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3. INCIDENT NAME NFDRS Roll Out	4. OPERATIONAL PERIOD Date: February 2020 Time:
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5. OPERATIONS PERSONNEL		
LEAD Jeffrey Kline	jeffrey.kline@live.com	385-227-9386

6.				
	EMAIL			
Mark Pater	mpater04@gmail.com			
Gary Jarvis	garyjrvs@gmail.com			

7. CONTROL OPERATIONS

8. SPECIAL INSTRUCTIONS

PREPARED BY (RESOURCE UNIT LEADER) <i>/s/ David Berens PSC1</i>	APPROVED BY (PLANNING SECTION CHIEF) <i>/s/ David Berens PSC1</i>	DATE 1/31/2020	TIME 1600
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Communication Plan Key Messages

- The national fire danger rating system is used by federal, state and local wildland fire response agencies and organizations to determine wildland fire potential across a range of biomes in the United States.
- The rollout of NFDRS 2016 includes the testing, calibration, transition and incorporation of input from users.
- The rollout plan includes updates to the tools FireFamilyPlus (FF+) and the Weather Information Management System (WIMS) which utilize the NFDRS 2106 system.
- When the rollout of NFDRS 2016 is complete it will provide a stable NFDRS 2016 system along with updates to FF+ and the WIMS.
- This rollout plan will allow changes to reflect input received from regions and field units during the two years of implementation.
- NFDRS 2016 will be implemented parallel to the existing 1978 and 1988 NFDRS models in 2020. The field may use all versions to compare and review NFDRS outputs. Users will be able to provide feedback on how the NFDRS 2016 compares to the older versions in supporting sound decision making. **In 2021, the full transition to NFDRS 2016 will occur and the old models will be discontinued.**
- Advancements to the science include:
 - 1) Improvements to the calculations of fire danger indices and components.
 - 2) Automation of the calculations in the WIMS
 - 3) Reduction in the number of fuel models to more accurately reflect fire danger levels across the landscape.
- With the update, manual tasks previously required in WIMS, such as daily publishing of observations, managing green-up and freeze-dates, and entering season codes and greenness factors will be obsolete reducing human interventions.
- Forest Service Manual 5120 requires all Forests to be covered by a Fire Danger Operating Plan.
- The National Fire Danger Rating System is the Forest Service standard for fire danger based decisions. This includes, but is not limited to:
 - 1) Determination of Adjective Fire Danger Rating,
 - 2) Staffing levels
 - 3) Response
 - 4) Preparedness levels
 - 5) Fire prevention
 - 6) Fire restrictions
 - 7) Prescribed Burn Approval Act
- Fire Danger Operating plan workshops have been implemented in the past by cadre from the Advanced NFDRS course (taught at NAFRI) over the last four years in three different Geographic Areas.
- Implementing NFDRS 2016 will result in simplification of NFDRS. Many unused components of the system can safely be removed, while the core usefulness and functionality of the system remains essentially unchanged.
- Software programming will change the NFDRS 2016 system significantly, output indices that can be used to guide fire management decisions will remain: Energy Release Component, Burning Index, Spread Component, Ignition Component and fuel moisture values.
- Updates to the FireFamilyPlus application will be transparent to the user.
- Future enhancements to NFDRS include a proposed movement to a geospatial and gridded platform.
- It will be necessary to re-validate FireFamilyPlus outputs which are likely to change with the NFDRS 2016 reduction in fuel models and the availability of historic hourly weather data. Products such as fire danger operating plan breakpoints and fire business thresholds, pocket cards, staffing levels and response plans will likely be impacted.

NFDRS ROLL OUT PHONE LIST

ANFDRS		NFDRS16 Leads	
Clint Cross	202-205-0995	Jennifer Croft	202-205-1501
Andrew Bailey	208-387-5248	Jeff Kline	385-227-9386
E.J. Bunzendahl	859-745-3148	Gary Jarvis	251-288-1084
Lindsey Curtin	540-265-5220	Mark Pater	520-507-9295
David Greathouse	828-403-7397		
Bill Glesener	218-322-2709	GA LEADS	
Arthur Gonzales	928-635-8340	Julie Shea	406-531-0237
Linnea Keating	208-476-8312	Flint Cheney	303-886-2179
Steve Larrabee	208-387-5586	Gwenan Poirier	303-945-6709
Shelby Law	801-531-5320	Abie Carjabal	505 842-3460
Chuck Maxwell	505-842-3419	William Basye	505-842-3115
Bill Miller	406-207-4075	Shelby Law	801-531-5320
Gwenan Poirier	303-945-6709	Linda Chappell	801-625-5505
Randy Striplin	530-543-2646	Craig Glazier	801-625-5513
Chris Waters	530-919-4550	Jana Luis	916-213-9939
JoAnne Ware	520-799-8751	Dee Dee Cherry	530-227-2198
Boone Zimmerlee	541-337-5007	Mark Johnson	541-523-1210
		Tim Klukas	503-808-2733
		Allan Hepworth	404-347-3463
FIRE DANGER SUB COMMITTEE		Jon Wallace	208-830-1854
Jon Wallace	208-830-1854	Ray Parrish	414-217-3348
Don Cople	406-865-0556	Steve Marien	651-293-8446
Heath Hockenberry	208-334-9862	Scott Swendsen	414-297-1412
Matt Jolly	406-329-4848	Dave Whitmer	907-356-5642
Steve Larrabee	208-387-5586	Tom St Clair	907-978-0104
Karla Luttrell	208-387-5400	Casey Boespflug	907-482-0055
Paul Schobohm	208-387-5269		
Brad Smith	512-339-9073	NIMO Support Group	
Tom St. Clair	907-978-0104	Bob Houseman	404-803-0370
Scott Swendsen	414-297-1412	Janan Hay Sharp	423-790-6039
		Evaluation Group	
SME		Mark Pater	520-507-9295
Faith Ann Heinsch	406-829-7342	Jennifer Croft	202-205-1501
		Mike Dunivan	979-220-0718

NFDRS ROLL OUT SESSIONS*

GA	Dates	Location	Lead	Email	Phone	Instructors needed	Additional Instructors requested (Clint)
NR	4/13-17/19	Missoula, MT					
NR	Feb 24-28, 2020	Missoula, MT	Julie Shea	julie.shea@usda.gov	406-531-0237	**	**
RM	3/5-8/19	Grand Junction, CO					
RM	3/18-22/19	Riverton, WY					
RM	4/8-12/19	Lakewood, CO					
SW	1/27-31/2020	Payson, AZ					
SW							
GB	3/19-21/19	Salt Lake City, UT					
GB	3/5-7/19	Boise, ID					
GB	Nov 2019	Idaho/Wyoming					
GB	Mar 17-19, 2020	Boise, ID					
CA	12/9-13/19	Sacramento, CA					
CA	2/4-8/19	McClellan, CA					
CA	Mar 16-20, 2020	Mather, CA	DeeDee Cherry	deirdre.cherry@usda.gov	530-227-2198	**	
NW	11/4-8/19	Portland, OR					
SA	6/17-21/19	Pearl, MS					
SA	9/9-13/19	Little Rock, AR					
SA	10/28-11/1/19	Atlanta, GA					
SA	1/27-31/2020	Slidell, Louisiana					
SA	Feb. 24-28, 2020	Kentucky	Allan Hepworth	allan.hepworth@usda.gov	404-347-3463		
SA	Feb 2020	Oklahoma	Allan Hepworth	allan.hepworth@usda.gov	404-347-3463		
EA	6/24-28/19	Harrisburg, PA					
EA	9/16-20/19	Cartersville, IL					
EA	10/28-11/1/19	South Portland, ME					
EA	10/7-11/19	Alpena, MI					
AK							

*An additional source of information used to create this table is the NFDRS Firenet site calendar.

** Will need a cadre of instructors to assist with this session

BOLD RED indicates session not yet completed