



# Overview of NFDRS2016 and Rollout/Transition Updates

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# Review of NFDRS2016

- ▶ Consolidate current **20 fuel models down to 5.**  
**Grass(V), Grass/Shrub(W), Brush (X), Timber (Y), and Slash (Z).**
- ▶ **Less human intervention and fully automated.**  
**No daily editing of 1300 obs** with State of the Weather or 1988 Greenness Factor. Editing 1978 Herbaceous Fuel Stage (green-up and freeze) no longer required.
- ▶ **Hourly observations required** rather just 1300 ob and must include solar radiation and snow flag data.  
**Larger Fire Family Plus database size.**

# Review of NFDRS2016

- ▶ **Growing Season Index** used to calculate live fuel moisture.
- ▶ **Nelson Index** used to calculate dead fuel moisture.

# What doesn't change?

- ▶ Most of the same weather inputs
- ▶ All the same output components and indices: still have **ERC, BI, SC and IC**
- ▶ The look, feel and use of both FireFamily+ and WIMS

# NFDRS2016 Rollout/Transition Update

- ▶ April 30 – May 4, 2018: **National NFDRS 2016 Rollout Workshop** for each Geographic Area Leadership groups (GA) was hosted at the National Advanced Fire and Resource Institute in Tucson.
- ▶ This included the development of a NFDRS 2016 prototype area (third tier dispatch boundary) within each GA for evaluation of the new NFDRS2016 model and standard application. **Central New England was used as a test area for the Eastern Area along with Minnesota.**
- ▶ Use of standardized draft templates for the **development of a Fire Danger Operating Plan (FDOP)**
- ▶ Fire danger and weather indices correlated with historic fire activity to set index breakpoints for Staffing, Response, Preparedness, Fire restrictions, Fire prevention included in FDOP.



# NFDRS2016 Rollout/Transition

## Summer of 2018

- ▶ Evaluate NFDRS 2016 in WIMS and Fire Family Plus (FF+)
- ▶ Develop a local **Fire Danger Operating Plan (FDOP) prototype area** to test the use, application and updates to FDOP.
- ▶ Develop a **regional rollout strategy**, tiered to the national strategy, working with the Super Users, FDSC and agency leadership.

# NFDRS2016 Rollout/Transition

## Summer of 2018

- ▶ Geographic Area (GA) rollout leadership groups evaluate new NFDRS2016 model and standard applications
- ▶ **September 2018:** Synthesis of testing results from GA rollout leadership groups and deployment of lessons learned for the GA rollout sessions to improve the NFDRS rollout to local units.

# NFDRS2016 Rollout/Transition

## October 2018 to May 2019

- ▶ Interagency Geographic Area **NFDRS 2016 Rollout Workshops.**
- ▶ Interagency workshop(s) held in each GA will update local units operational decisions based on NFDRS 2016.
- ▶ Possibly one in each of the EA compacts if national cadre/coaches are available.



# NFDRS2016 Rollout/Transition

## June 2019 to September 2019

- ▶ Local units evaluate new model and applications

# NFDRS2016 Rollout/Transition

## October to December 2019

- ▶ Local units **finalize thresholds and decision points** with the new NFDRS2016 models
- ▶ 2020: **All units have transitioned over to NFDRS 2016.** Older version of NFDRS and the models used to run them will be obsolete

# Geographic Area Rollout Workshops

## End State

- ▶ **Working draft of a FDOP** and appendixes (staffing, response, preparedness, prevention, Rx Burn approval)
- ▶ Interagency workgroups will have a much of the work complete and can finish FDOP upon return home.

Questions or Comments?

