

## Perspectives of Forest Service Line Officers

Senior Leader Program Team Members

National Priority 4: Improving the condition of forests and grasslands

Addressing Internal Barriers to the Use of Large Scale Fire for Forest Restoration

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#### Prescribed Fire (Rx)

- 3 Most often mentioned factors
  - 1. Burn window
  - 2. Implementation resources
    - Almost 20% these were the two main barriers: "Small burn windows Lack of personnel on burn day".
  - 3. Planning resources (NEPA and burn plans)
    - \$ To hire specialists or demands to work on other priorities (timber)

"Lack of shelf stock and not enough resource specialists".



#### Prescribed Fire (Rx)

- Mentioned by less than 20% of respondents
  - smoke issues
  - social license
  - internal concerns (generally risk aversion, suppression culture)
  - other larger scale priorities/considerations (mainly timber and WUI)

## Top Two Limiting Factors....

### Large scale Rx-

Similar to Rx with a few shifts. Topics that come up more often compared to Rx:

- Increased complexity creating a limiting factor:
  - Duration- uncertainty of resource availability, smoke concerns, impacts on accomplishing work on other priorities.
  - Larger scale-availability of personnel with skills for larger burns and of helicopters,
- Consideration of other land use issues/impacts (grazing, inholdings, checkerboard, ESA).

## Top Two Limiting Factors....

#### Wildland Resource Benefit

- Resource availability dominant barrier most statements making reference to PL 4/5.
- Internal concerns more commonly raised, particularly re <u>support</u> for WRB
  - culture (both in terms of suppression and specialists),
  - risk management/aversion, and
  - lack of incentives.

Culture...culture! Internal resistance from specialists.
A quiet reluctance to assume risk from line.

Social (public, industry) acceptance raised more often than for Rx.

# Initial Takeaways

## **Cross Cutting Themes**

- 1) Clear desire for supportive <u>consistent</u> leadership = being told to burn more but...
  - Not provided resources to accomplish
  - Support varies depending on fire season (within and between)
  - Lack of confidence that will have support if something goes wrong.

"I believe that our agency needs to make Rx burning a priority and issue direction to that effect. The agency needs to take ownership of this and provide direction and training to our employees. That's when things will change."

# Initial Takeaways

- 2) Desire for creation of "larger scale prescribed burn organization"
  - Larger scale means similar mechanisms as with suppression
    - Share resources
    - Logistics
    - Hazard pay
- 3) Importance of partnerships
  - Key for any larger scale burning
  - Facilitates communication
  - Creates capacity and flexibility needed for larger burns

## Beware the 'imagined public'

Overall findings <u>do not</u> support many of the Conventional Wisdoms or Narratives about public response to fire management

- Sampling bias
- Confirmation bias



#### False Narrative #1 —

Individuals don't understand the high fire risk

Reality – Vast majority of people know they live in high fire risk areas

- Decision to take protective action (defensible space, evacuation) also depends on other factors
  - Risk tolerance/aversion
  - Trade-offs with benefits (nature, privacy, etc.)
  - Self-efficacy (time, \$, etc.)
  - Response efficacy



#### False Narrative #2

"Smokey has taught the public to think all fire is bad"

#### Reality – Consistent evidence that:

- Individuals in fire prone areas have a good (often quite sophisticated) understanding of fire ecology, including beneficial role of fire.
- 80% see prescribed fire and thinning as an appropriate management tool
  - Roughly 30% give strong approval and another 50% give qualified approval
  - Clear preference for active forest management

# False Narrative #3 – People don't take responsibility

Reality - Strong sense of shared responsibility

- People recognize their responsibilities expect to reduce risk on own property
  - Generally ~ 2/3+ have undertaken some type of mitigation
  - Recognize that risk is shared concerned about actions on adjacent properties – particularly public lands
- Expectations of government agencies (local, fed, etc.)
  - Take care of their land
  - Education: Help understanding risk (fire behavior) and specifics on how to mitigate
  - Maybe help with some larger scale obstacles (disposing of materials)

## False Demographic Narratives

#### No consistent evidence that:

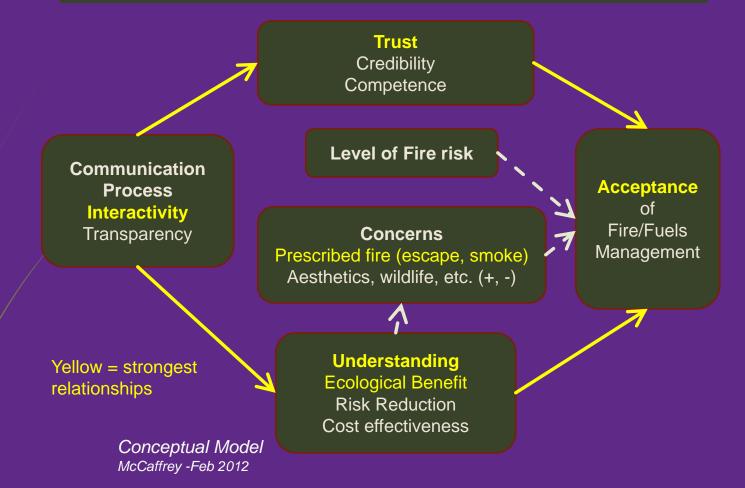
- New residents are less aware and/or active in relation to fire mitigation
- Part-time residents are less likely to understand fire risk than full-time residents (main issue appears to be time)
- Experience with fire will have a consistent effect
- Basic demographic characteristics (gender, income, education, etc.) have a meaningful effect.
- There are meaningful regional differences

## **Actual Influential Dynamics**

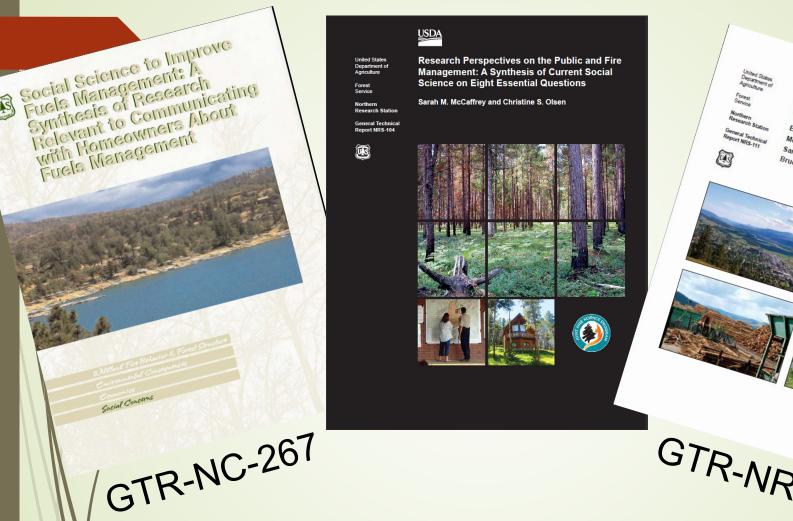
- Knowledge: Better understanding of a practice is associated with higher acceptance/action
  - Ecological benefits of a practice particularly important
    - Concern about negative outcomes (smoke, escape) can influence....but decrease with increased knowledge of ecological benefits
- Trust: Trust in information provider or treatment implementer predicts acceptance
- Interactive /Shared information exchange is associated with behavior change

#### Fire/Fuels Management Public Acceptance Model

(Thinning, Prescribed Fire, WFU)



#### GTR-NRS-104





GTR-NRS-111

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