

British Automatic Fire Sprinkler Association

bafsa

Sprinkler reliability and effectiveness

Danny Doherty MA, GFireE, MIFPO

Protecting people, property and the environment

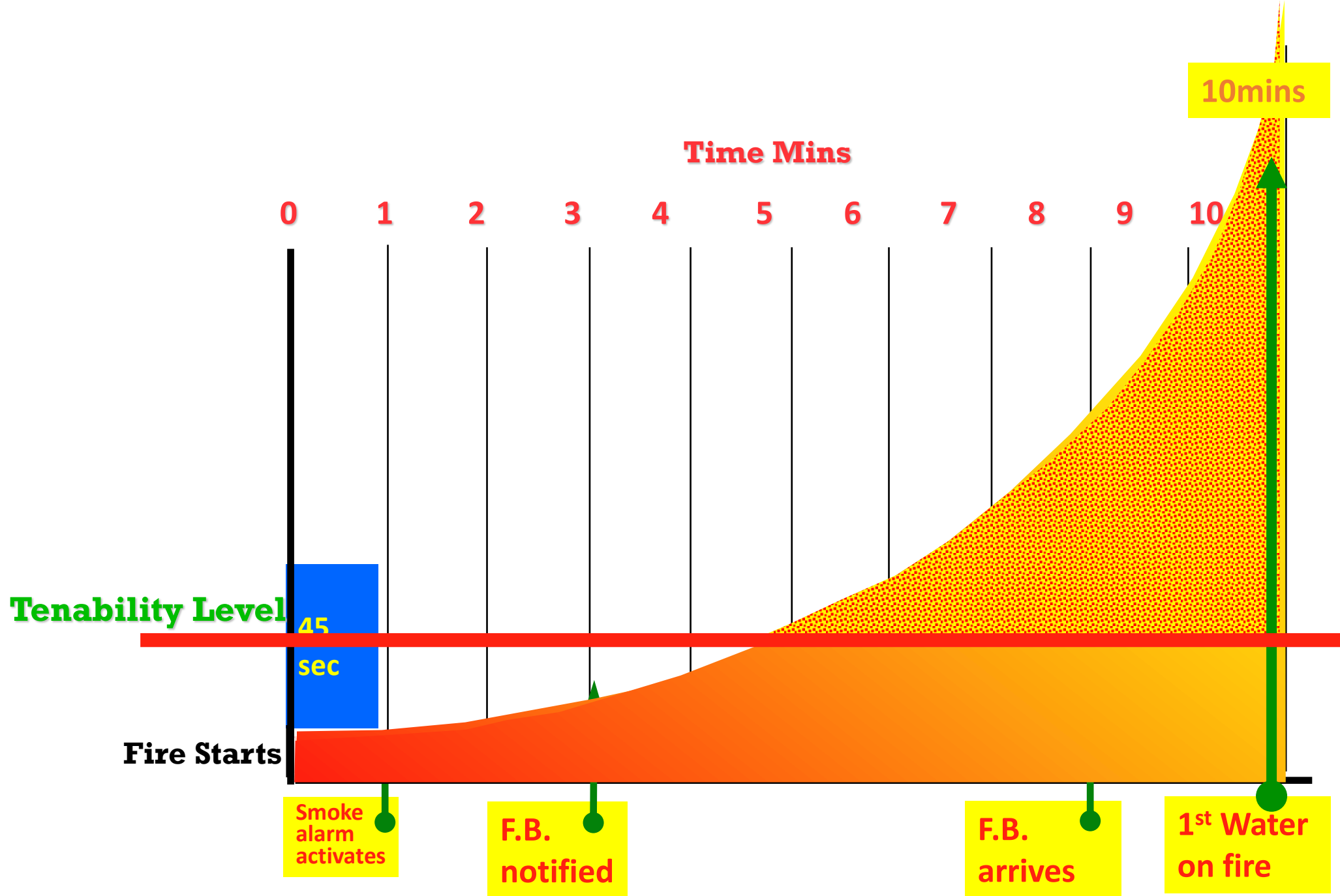


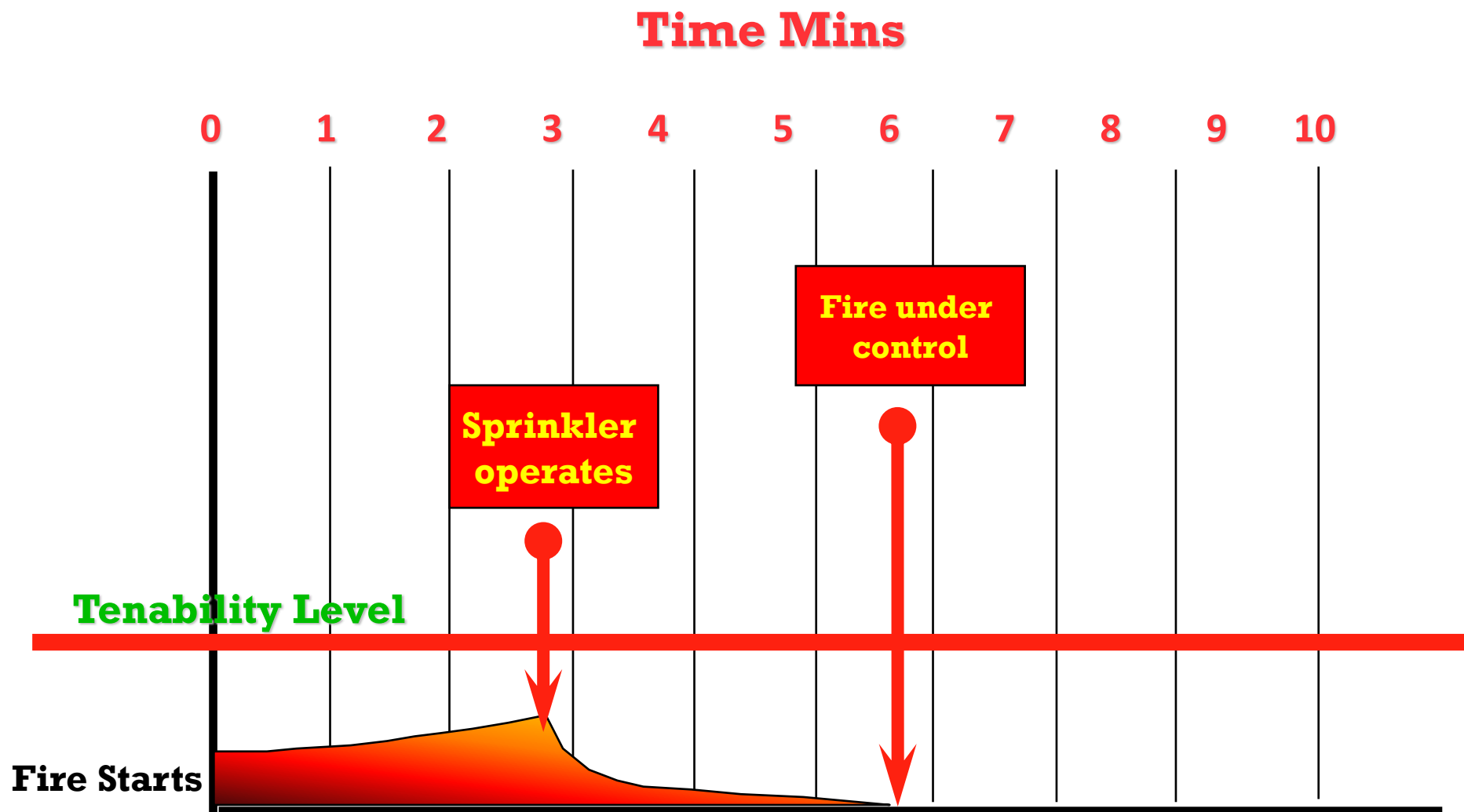


What Sprinklers Do

- Independent heat sensing elements detect a fire
- Raise an alarm
- Automatically apply water to fire area controlling fire size and growth
- Reduce the toxic effects of smoke
- Prevent flashover development
- Increase evacuation time
- Allow more time for F&RS to attack the fire
- Reduce fire damage by up to 95%
- Protect Firefighters





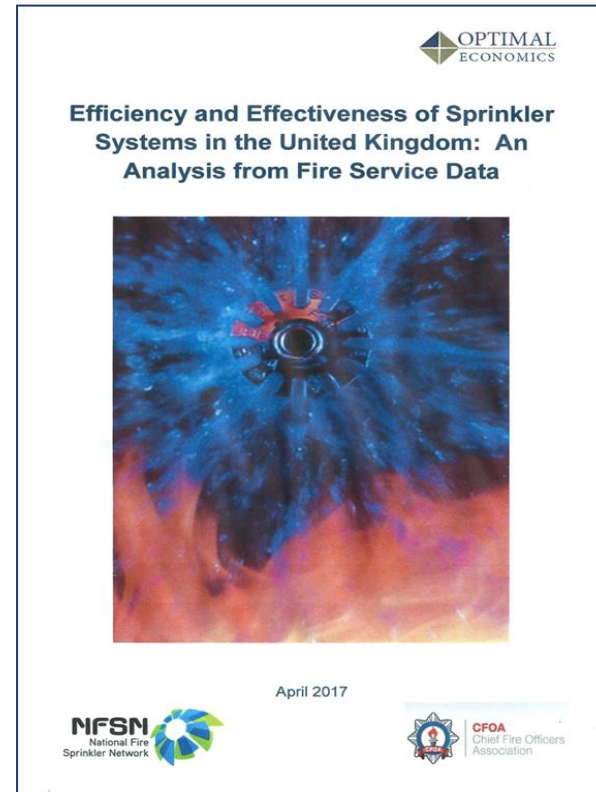


Sheffield mobility scooter fire January 2016

- S
- M
- F
- F
- F
- S
- C
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Optimal Economics



Optimal Economics

Operational reliability

The research indicates that the operational reliability of the systems was **94%** across all building types where sprinklers could have been expected to have operated

Performance effectiveness

Across all building types, the performance effectiveness sprinkler systems was assessed as **99%** in situations where sprinklers could have been expected to have operated



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Thank You

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