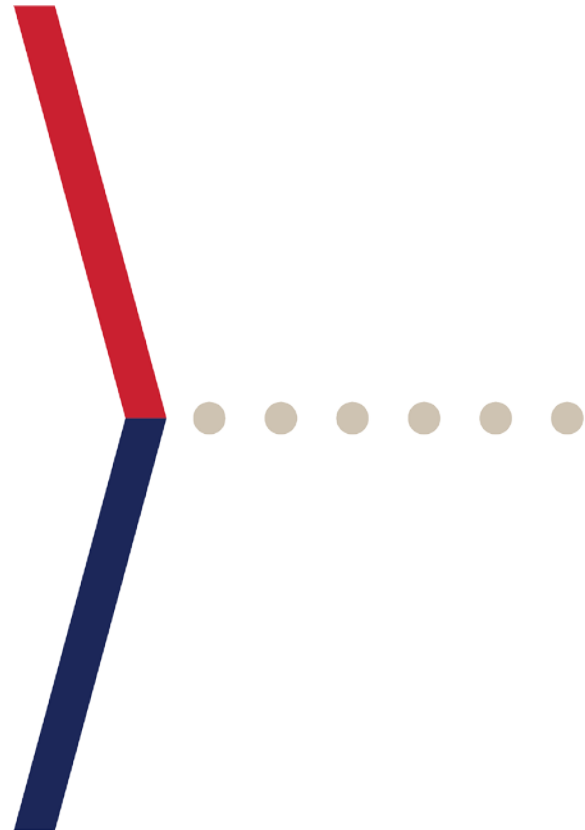


Presentation for the Anchorage Assembly

October 2020





Presenter

Daniel Buuck, CBO, Assoc. AIA
Sr. Program Manager
Codes & Standards



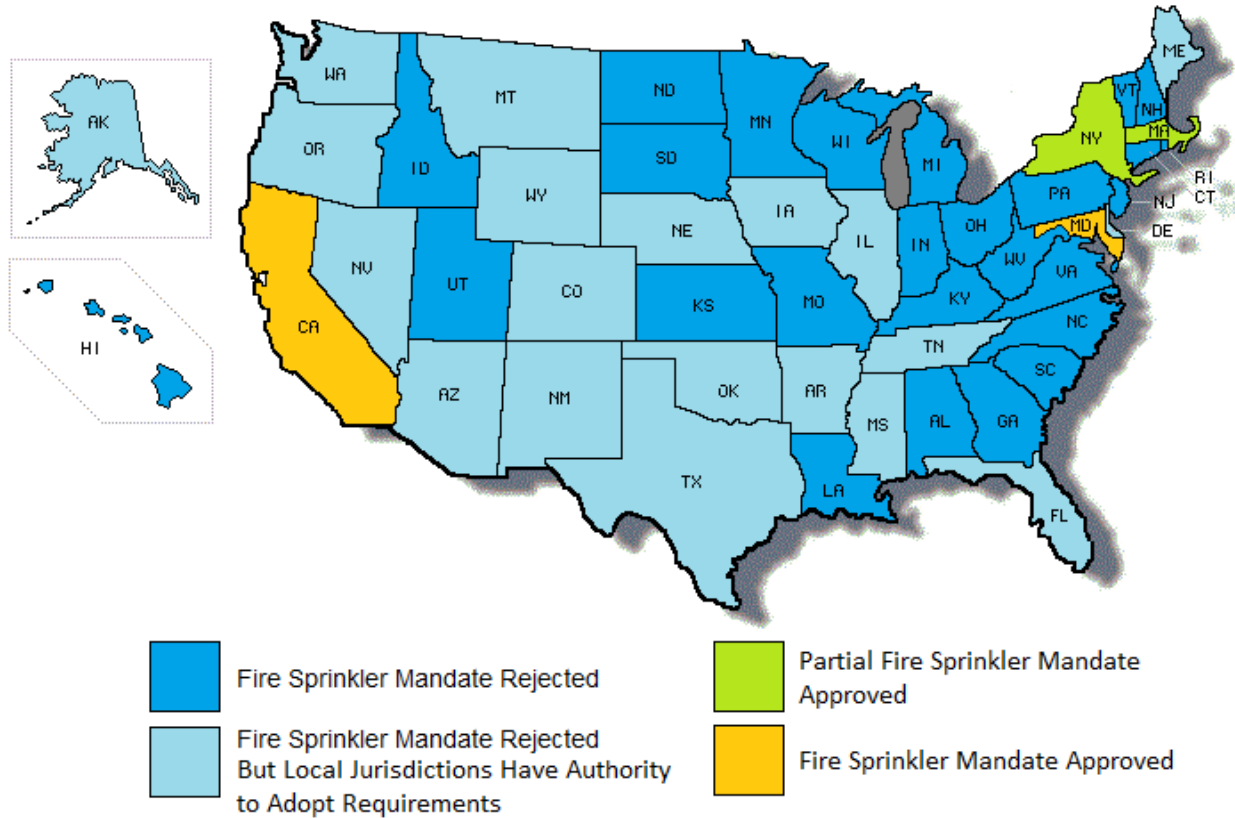
Safe, Affordable Homes

Building codes should balance ...

- Safety
- Complexity
- Cost

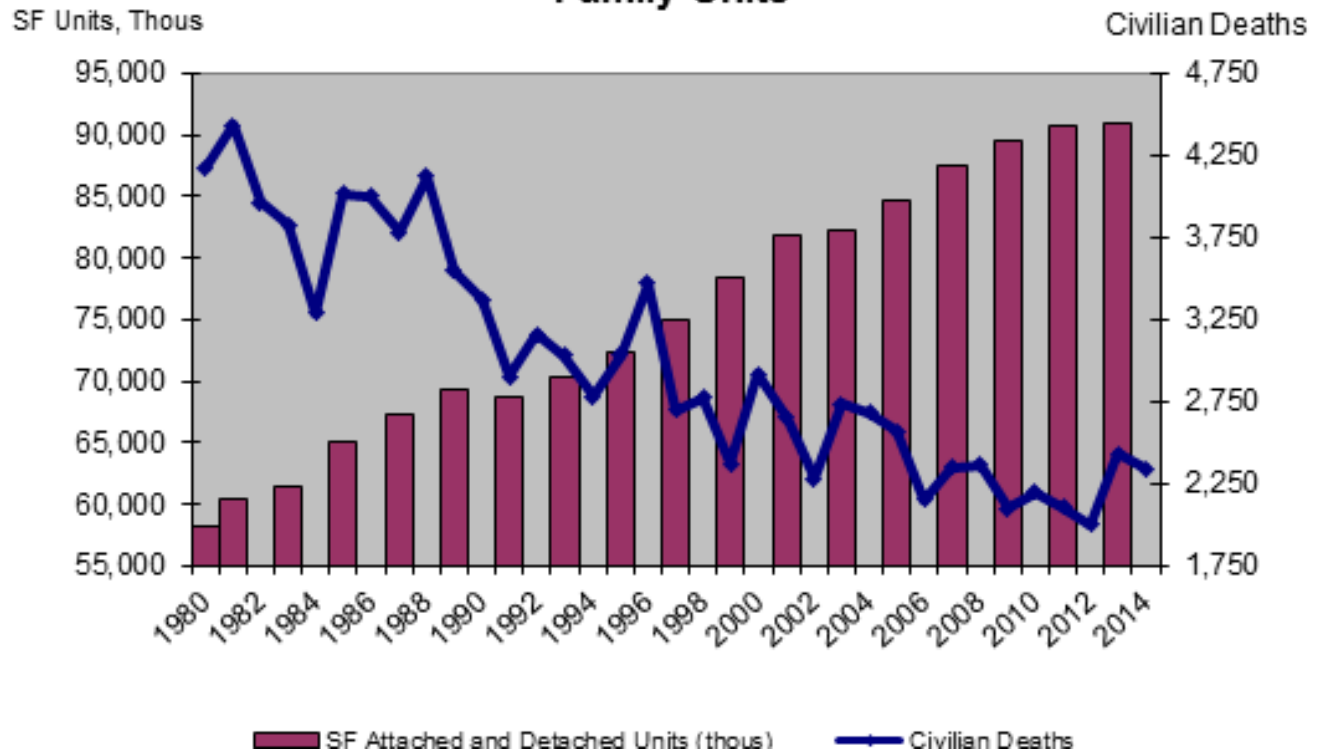


Sprinkler Mandates Are Not Popular



National Data

Housing Stock and Civilian Fire Deaths in One- and Two-Family Units



Local Data

15 reports

- 7 mobile home fires

One- and two-family homes

- Reported Incidents
Average age: 44 years
- Housing Stock
Statewide average: 33 years



Newer Homes are Safer

Code Improvements

- Heating Equipment
- Electrical System
- Fireblocking
- Smoke Alarms



Smoke Alarms

Fatality Rate Is Twice as High in Homes Without Smoke Alarms

Fatality Rate Is Twice as High in Homes With Battery-Operated Smoke Alarms

Source: [Smoke Alarms in U.S. Home Fires, NFPA, 2019](#)



Smoke Alarms

Older Homes

- Not located in bedrooms
- Battery operated
- Not interconnected

New Homes

- Hardwired
- Interconnected

Improving Technology



Sprinklers Are Not 100% Effective

Homes With Sprinklers Present

- 24,440 fires
- 35 civilian deaths
- 616 civilian injuries
- \$198 million in property damage



RESEARCH

Did not operate in 6% of fires large enough to activate them

12,400 non-fire activations

Source: [U.S. Experience with Sprinklers, NFPA, 2017](#)

Affordability

In Alaska, over 118,000 families cannot afford more than the average-priced home.

Sprinklers cost \$6,026 per home (national average)

Source: [Home Fire Sprinkler Cost Assessment, NFPA, 2013](#)





Thank you

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We Build Communities

