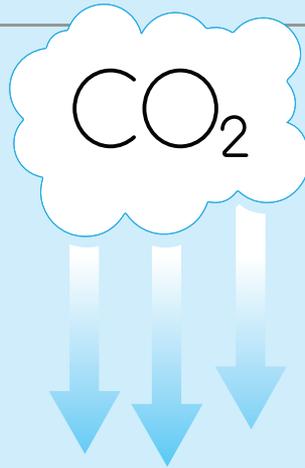


## NEW GROUNDBREAKING STUDY

# PORTABLE FIRE EXTINGUISHERS DRAMATICALLY **REDUCE** THE CARBON FOOTPRINT OF BUILDING FIRES

Using portable fire extinguishers can reduce fire-related carbon emissions of building fires beyond the reduction realized by the actuation of automatic fire sprinkler systems



Portable fire extinguishers and automatic fire sprinklers result in a total reduction of fire related carbon emissions by

# 99%

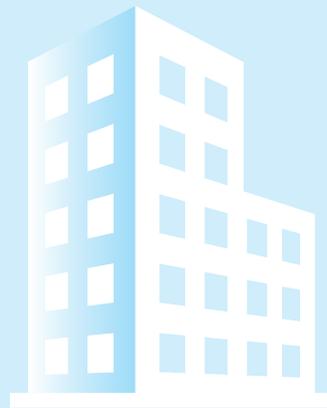
when portable fire extinguishers and sprinklers are used together

## TOTAL CARBON EMISSIONS DURING THE LIFETIME OF A BUILDING

CONSTRUCTION + OPERATION + DEMOLITION + BUILDING FIRE = CARBON FOOTPRINT OF A BUILDING

Using **PORTABLE FIRE EXTINGUISHERS** in the early stages of fire development provides the **highest reduction of carbon emissions of any fire extinguishment means.**

There is an increase in carbon emissions each time there is a delay in applying water or other extinguisher agents onto an active fire.



A building's carbon emissions can be reduced from a maximum of

# 90kg/m<sup>2</sup>

without extinguishers and sprinklers

**TO LESS THAN**

# 1kg/m<sup>2</sup>

with both portable fire extinguishers and automatic sprinklers

According to data gathered as part of the JH research report, **fire risk makes up 1-2% of a building's overall carbon footprint. Structure fires make up 0.5-1% of the carbon footprint in the U.S., or about 25-50 million metric tons of CO<sub>2</sub> annually.** That's equivalent to more than the **output of 5-10 million cars annually.**

  
**JENSEN HUGHES**

Information gathered from a Jensen Hughes Study titled, *A Review of the Impact of Fire Extinguishers in Reducing the Carbon Footprint of Building Fires*. To read this new groundbreaking study, scan the QR code below.

FOR MORE INFORMATION VISIT [FEMALIFESAFETY.ORG/CarbonFootprint](http://FEMALIFESAFETY.ORG/CarbonFootprint)

SCAN TO  
ACCESS  
STUDY



**FIRE EQUIPMENT  
MANUFACTURERS'  
ASSOCIATION**

