

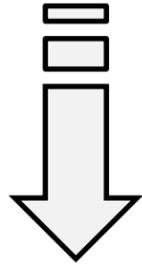
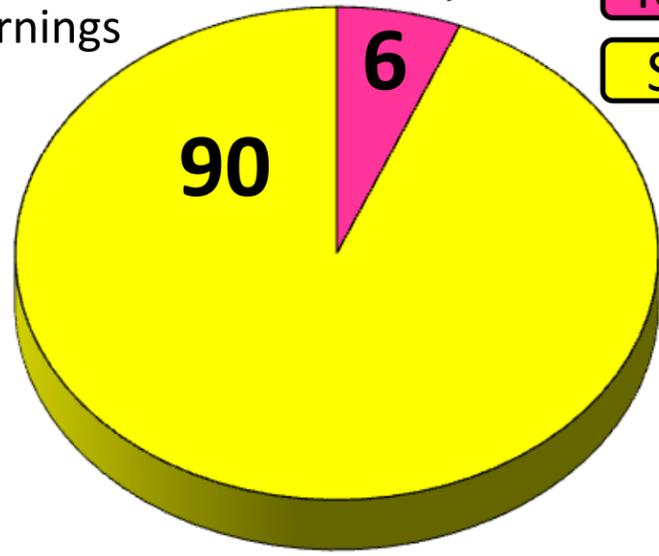
# Outdoor Siren Policy



2010-2014 Dakota County Warnings

Tornado  
Severe

Sirens sounded **96 times** over the past **5 years**



## Findings from Past Events



Joplin Missouri Service Assessment  
1000+ injuries, 158 fatalities

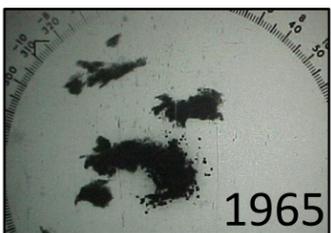
*"The perceived **frequency of siren activation** in Joplin led the majority of survey participants to become **desensitized** or **complacent** to this method of warning."*

Mother's Day Weekend Tornadoes Service Assessment

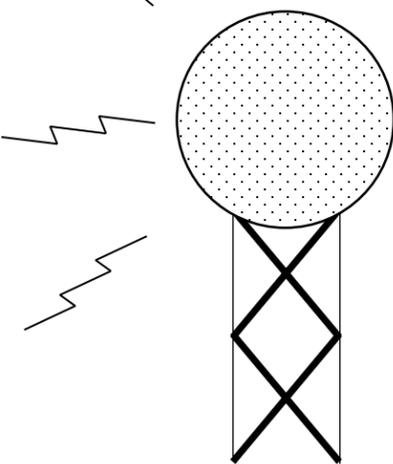
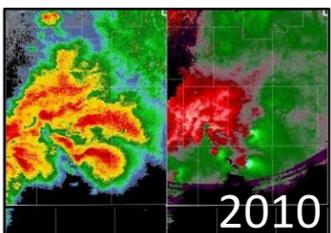
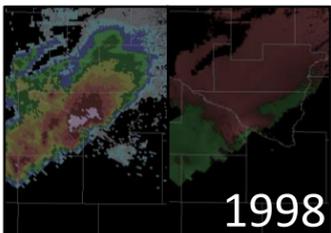
*"EMs used the terms **watch fatigue**," **warning fatigue**," and **siren fatigue**." The reference to fatigue indicated that the NWS issued many watches or warnings during which **no significant weather** occurred."*



## National Weather Service Improvements

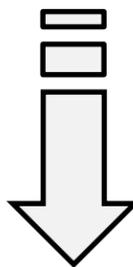
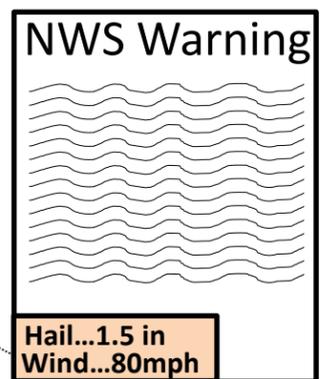


Significant radar upgrades revolutionized severe weather forecasting



Hail...1.5 in  
Wind...80mph

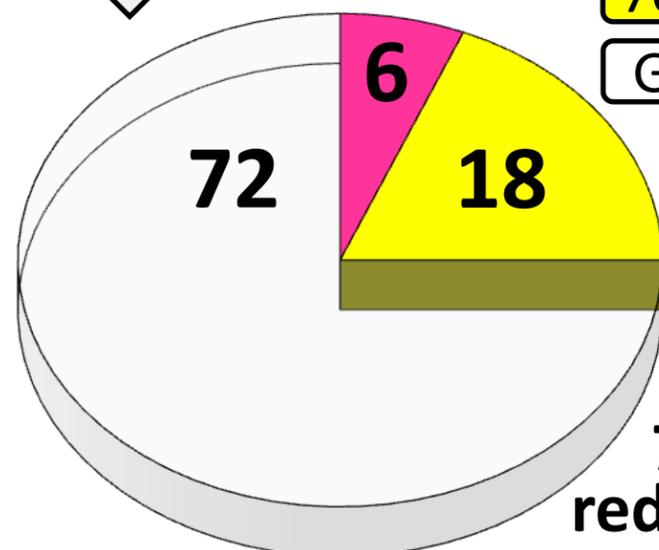
Hazard tags for siren policy



Tornado  
70+ mph  
General

## Recommendation

**Use sirens for 70+mph and tornado warnings**



75% reduction