FEDERAL SIGNAL

RISK REDUCTION: WHY SIREN POWER & WARNING DISTANCE MATTERS FOR FIREFIGHTER SAFETY

How warning siren power and warning distance work together to protect firefighters and the public.

SIREN POWER = EARLY WARNING

Firefigher safety begins when a unit responds to a call. **The sooner a driver has time to detect an audible signal the more time they have to recognize and respond to it.**

WHAT IS WARNING DISTANCE?

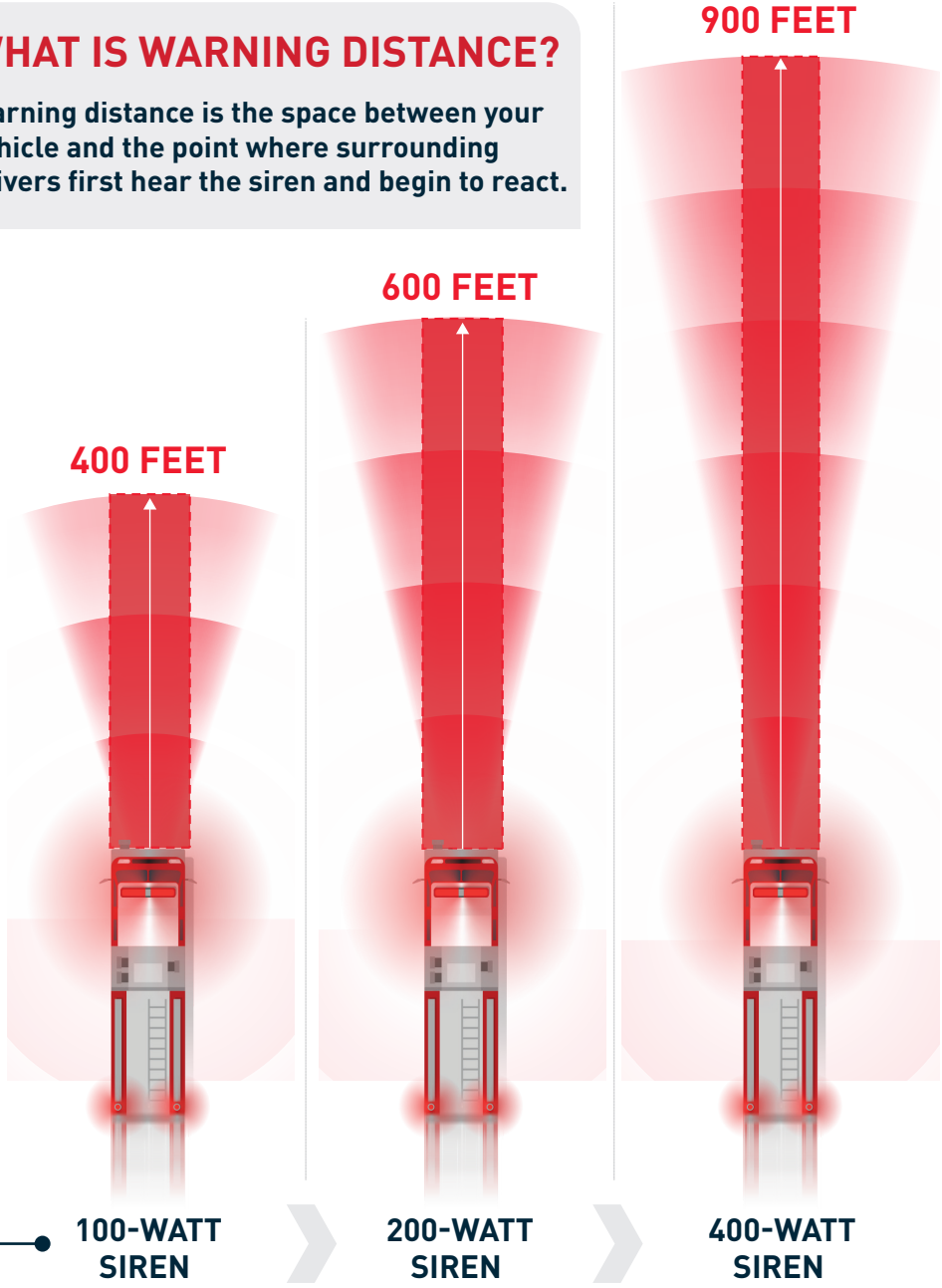
Warning distance is the space between your vehicle and the point where surrounding drivers first hear the siren and begin to react.

HOW SIREN WATTAGE CHANGES DISTANCE

Moving from 100 watts to 400 watts

CAN MORE THAN DOUBLE THE DISTANCE 2X

where drivers are alerted to your approach.



Safety in this moment.
That's Federal Signal Strength.

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M094 | 1026

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60 MPH

TURNING DISTANCE INTO TIME AT 60 MPH

Drivers have less than five seconds to hear, identify, and respond.



Drivers have approximately 10.2 seconds to react, giving firefighers more room to maneuver if a driver makes an unexpected move.



SAFETY IN THIS MOMENT.

When every second counts, a 400 W siren gives you an extra five seconds for drivers to detect, recognize, and respond, which means more distance and more time for a safer response. **That's Federal Signal Strength.**

400 W ≈ 900 FT ≈ 10.2 SEC / 60 MPH

SIREN POWER IS NOT JUST VOLUME

IT IS

- TIME
- DISTANCE
- FIREFIGHTER SAFETY

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M094 | 1026