

Wilson County Emergency Management Hazard Analysis/Hazard Vulnerability

Hazards

Wilson County is exposed to many hazards, all of which have the potential to disrupt the community, cause damage, and create casualties. Potential hazards (natural, technological, and national security), which could affect Wilson County are listed in a table below.

Vulnerability

While many hazards have the potential to cause damage within the County, we have to base their potential along with the probability that an event will occur. With that understanding, the following hazards are listed with a potential occurrence (**Probable, Likely, Possible, or Unlikely**) with damage to the community rated as **Local (or Loc)** (confined to the location of the event), **Regional (or Reg)** (confined to the vicinity or area of the event) and **County Wide (or C/W)** (affecting a majority of the County). Extent of Damage estimates include both Public (governmental) buildings, infrastructure and operational cost, individual and business buildings, human (injuries or lives lost) and economic, and are rated as mild, moderate, or heavy as the damage relates to the community and not to a specific individual. Damage estimates are based on history within Wilson County. Estimates listed as “Undetermined” are done so as there is no damage history to base an estimate for the category.

Wilson County 911 Center dispatches over 130,00 calls for service per year. This analysis does not include day-to-day 911 calls such as Medical related or Criminal Activity. Nor, does it include motor vehicle crashes, residential structure fires, minor gasoline spills, and other “typical” daily responses.

Mass Casualty includes any type of mass transportation incident or situation resulting in multiple injuries or fatalities.

Pandemic event includes any communicable disease with the potential to incapacitate our community.

Civil Disorder includes any type of situation involving mass rioting.

Mass Violence includes any type of criminal violence resulting in multiple injuries or fatalities.

Hazard	Occurrence	Extent	Pub. Loss	Ind. Loss	Human	Economic
Severe T-storms	Probable	Loc/Reg	Mild/Mod	Mild/Mod	Mild	Mild
Petroleum Spills	Likely	Loc/Reg	Mild	Mild	Mild	Mild
Structure Fire	Possible	Local	Moderate	Moderate	Mild	Mild/Mod
Hazardous Materials	Possible	Loc/Reg	Moderate	Mild	Mild/Mod	Mild/Mod
Wildland Fire	Possible	Loc/Reg	Moderate	Mild	Mild	Mild/Mod
Mass Casualty	Possible	Local	Mild/Mod	Mild	Mod/Heavy	Mild
Extreme Heat	Prabable	County wide	Mild	Mild	Mild	Mild
Drought	Possible	County wide	Mild/Mod	Mild/Mod	Mild	Mod/Heav
Severe Cold	Possible	County wide	Mild/mod	Mild/mod	Mild/Mod	Mild/Mod
Hurricanes	Possible	County wide	Mod/Heavy	Mod/Heavy	Mild	Mod/Heav
Floods	Possible	Loc/Reg	Mod/Heavy	Mod/Heavy	Mild	Mod/Heav
Tornadoes	Possible	Loc/Reg	Mod/Heavy	Mod/Heavy	Mild	Mod/Heav
Civil Disorder	Possible	Loc/Reg	Mild/Mod	Mild/Mod	Mild	Mild/Mod
National Security	Not Likely	County wide	Undetermined	Undetermined	Undetermined	Moderate
Terrorism	Not Likely	Loc to C/W	Undetermined	Undetermined	Undetermined	Moderate
Pandemic Event	Not Likely	County Wide	Mod/Heavy	Mod/Heavy	Mod/Heavy	Mod/Heav
Earthquake	Not Likely	Loc to C/W	Mild/Mod	Mild/Mod	Mild	Mild/Mod
Nuclear Incident	Not Likely	Loc to C/W	Mild/Mod	Mild/Mod	Mild	Mild/Mod
Power Failure	Possible	Loc to C/W	Mild	Mild	Mild	Mild/Mod
Water System Fail.	Possible	Loc/Reg	Mild	Mild	Mild	Mild/Mod
Explosion	Not Likely	Local	Mod/Heavy	Mod/Heavy	Mild	Moderate
Mass Violence	Possible	Local	Mild/Mod	Mild/Mod	Mild/Mod	Mild/Mod
Dam Failure	Not Likely	Loc/Reg	Moderate	Moderate	Moderate	Moderate