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, include:

A. Hurricanes
B. Drought/Floods
C. Severe Thunderstorms
D. Tornadoes
E. Severe Winter Storms
F. Severe Cold Weather
G. Extreme Heat
H. Hazardous Materials Incidents (including petroleum leaks and spills)
- Transportation Incidents
- Fixed Facility Incidents
- Unidentified Spills or Dumping Incidents

I. Structure Fires
J. Forest or Wildland Fires
K. Mass Casualty Incidents (Plane Crashes, Train Crashes, Bus Crashes)
L. Civil Disorder/Riot/Vandalism
M. Terrorism
N. National Security Emergency
O. Petroleum Spills
P. Public Health/Pandemic Outbreaks

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 in order of their probability of occurrence with damage to the community rated as **Local** (confined to the location of the event), **Regional** (confined to the vicinity or area of the event) and **County Wide** (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 an 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. This analysis does not include day-to-day criminal activity.

Hazard	Extent	Public	Individual	Human	Economic
Thunderstorms	Local/Regional	Mild/Moderate	Mild/Moderate	Mild	Mild
Petroleum Spills	Local/Regional	Moderate	Mild	Mild	Mild
Structure Fire	Local	Moderate	Mild	Mild	Mild
Hazardous Materials	Local/Regional	Moderate	Mild	Mild/Moderate	Mild/Moderate
Forest/Wildland Fire	Local/Regional	Moderate	Mild	Mild	Mild
Mass Casualty	Local	Mild/Moderate	Mild	Moderate/Heavy	Mild
Extreme Heat	County Wide	Mild	Mild	Mild	Mild
Drought	County Wide	Mild	Mild	Mild	Moderate/Heavy
Severe Cold	County Wide	Mild	Mild	Mild	Mild
Severe Winter Storm	County Wide	Mild	Mild	Mild	Mild/Moderate
Hurricanes	County Wide	Moderate/Heavy	Moderate/Heavy	Moderate	Moderate/Heavy
Floods	Local/Regional	Moderate/Heavy	Moderate/Heavy	Moderate	Moderate/Heavy
Tornadoes	Local/Regional	Moderate/Heavy	Moderate/Heavy	Moderate	Moderate
Civil Disorder	Local/Regional	Mild/Moderate	Mild/Moderate	Mild/Moderate	Mild
National Security	County Wide	Undetermined	Undetermined	Undetermined	Moderate
Terrorism	Local-County Wide	Undetermined	Undetermined	Undetermined	Moderate
Pandemic Event	Local/Regional	Moderate/Heavy	Moderate/Heavy	Moderate/Heavy	Moderate/Heavy

(27 March 2012)