



**Dam/Levee Failure**

Occurs when any artificial barrier that impounds or diverts water is suddenly released in an uncontrollable manner, resulting in a flood wave that can damage buildings and infrastructure. Montgomery County has five High Hazard Potential dams, and two Significant Hazard Potential dams.



**Erosion**

Erosion is the deterioration or rock or soil through natural and unnatural processes. Wind and water can naturally erode rock and soil. Agriculture, infrastructure, and building practices can exacerbate erosion.



**Invasive Species**

Invasive species are any species within Montgomery County that are not native to the area. These species can cause ecological or economic damage.



**Drought**

Droughts occur when water levels drop. They can occur anywhere, and they increase the risks of flash floods, wildfires, and landslides. Montgomery has spent 105 weeks in Moderate Drought, 23 weeks in Severe Drought, and 2 weeks in Extreme Drought.



**Extreme Temperatures**

Extreme temperature events include both extreme cold and extreme heat. There have been at least 8 extreme temperature events since 1995. No property damage has reportedly been caused by extreme temperatures.



**Landslides/Land Subsidence**

A landslide occurs when rocks, earth, or other materials move down a slope. Common causes include rain, floods, and development practices along slopes. Land subsidence is when Earth's surface settles or suddenly sinks. These are common with abandoned mines.



**Earthquake**

Earthquakes are sudden and rapid movements caused by the abrupt shifting of Earth's tectonic plates deep beneath the surface. Although earthquakes are very rare, they are unpredictable and can be catastrophic.



**Flooding**

Floods are typically riverine, coastal, or shallow. Flash floods are floods that occur quickly, even occurring without visible signs of precipitation. Montgomery County has experienced 114 floods and flash floods since 1995. These events caused approximately \$673,500 million in property damage.



**Severe Storms**

Severe storms include **hailstorms**, heavy rain, high wind, and **thunder/lightning** storms. There have been 544 events in Montgomery County since 1995, causing approximately \$135 million in property damage.



### Severe Winter Weather

Winter storms can include extreme cold, freezing rain, ice, snow, high winds, or any combination of these conditions. There have been 152 events in Montgomery County since 1995, causing approximately \$1.1 million in property and crop damage.



### Tornadoes and Damaging Winds

Tornadoes usually occur during severe thunderstorm events. Montgomery County has experienced at least 13 tornadoes since 1995.

Tornadoes have caused approximately \$504 million in property and crop damage.



### Wildfire

Wildfires are fires that occur in the wilderness or countryside and can spread quickly.

Montgomery County has an average of 5 wildfire events per year between 2007 and 2017.