



Impacts from Helene

September 27, 2024

6:15 AM

Remnants of Helene Bringing Widespread Rain and Gusty Winds

Key Messages

- Widespread moderate to heavy rain and windy conditions today
- 3 to 5 inches of rain possible through Sunday night. Locally higher amounts possible
- Wind gusts 40 to 55 mph likely today, mainly late morning into the afternoon. A few higher gusts possible, especially eastern KY/southern IN

Impacts

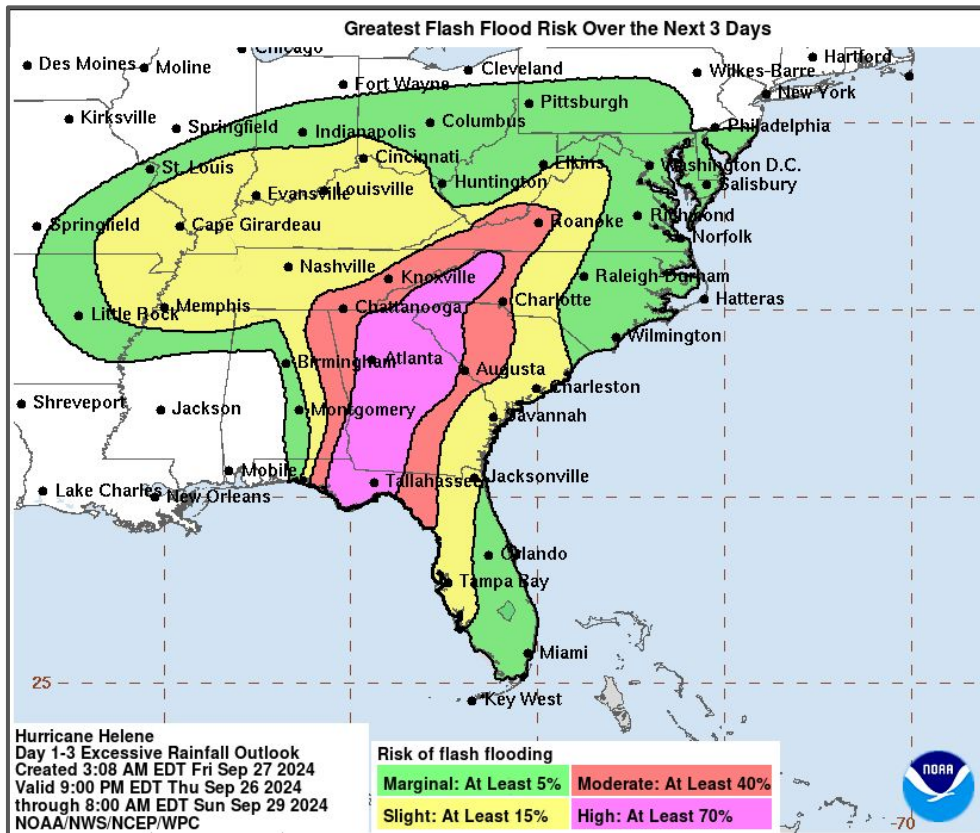
- Minor flooding possible today with the arrival of tropical rains, with a slight risk for flash flooding with the most intense rainfall.
- Weakly rooted trees could fall, and loose objects will be blown around.

Confidence

Low

Medium

High





Time of Arrival - 45+ MPH Winds

September 27, 2024
6:15 AM

Some Gusts may exceed 60 MPH if clearing occurs

Key Messages

- Widespread 45 to 55 MPH winds expected over a large part of the area
- Locally higher gusts possible especially across eastern KY and northern KY
- 35 to 45 MPH winds expected over southern and western KY
- Strength of winds somewhat dependent on clouds clearing and hurts confidence

Impacts

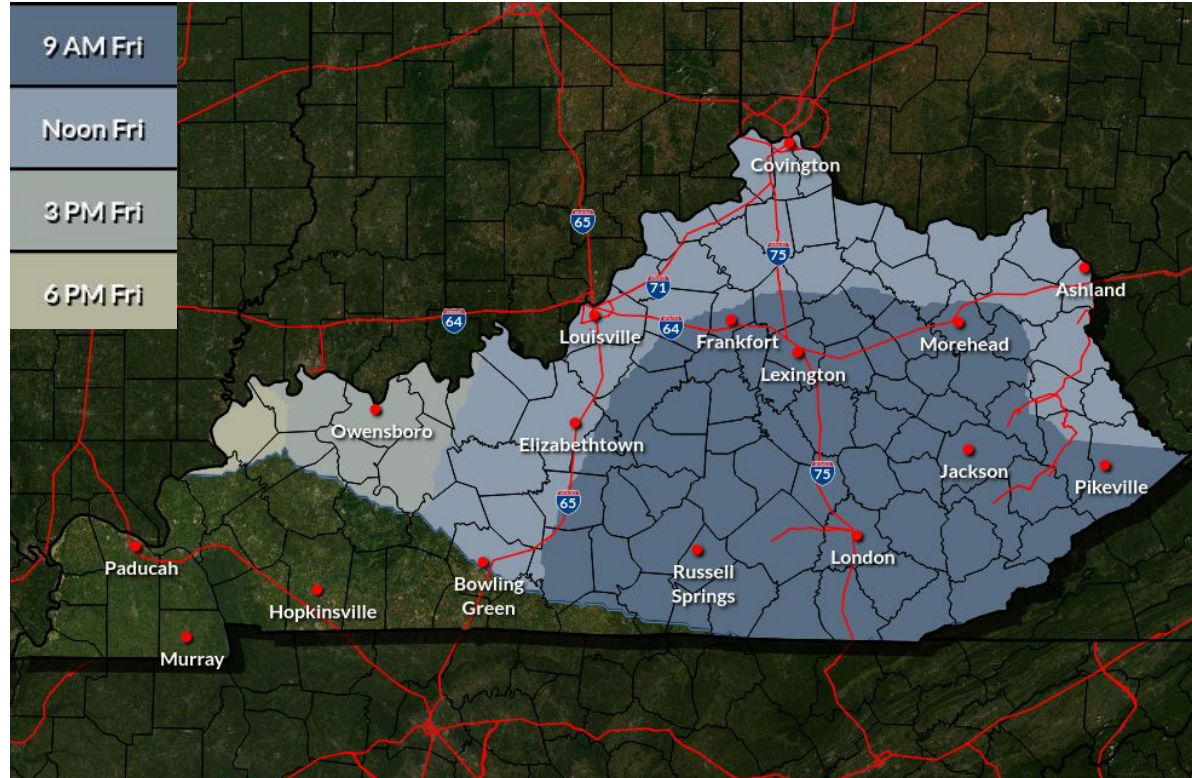
- Weakly rooted trees may fall, and objects may be blown around
- Travel in high profile vehicles will be difficult especially on N-S roads.

Confidence

Low

Medium

High





Wind Headlines

September 27, 2024

6:15 AM

High Wind Warning and Wind Advisory In Effect

Key Messages

- Widespread 45 to 55 MPH winds expected over a large part of the area
- Locally higher gusts possible especially across eastern KY and northern KY
- 35 to 45 MPH winds expected over southern and western KY
- Strength of winds somewhat dependent on clouds clearing and hurts confidence

Impacts

- Weakly rooted trees may fall, and objects may be blown around
- Travel in high profile vehicles will be difficult especially on N-S roads.

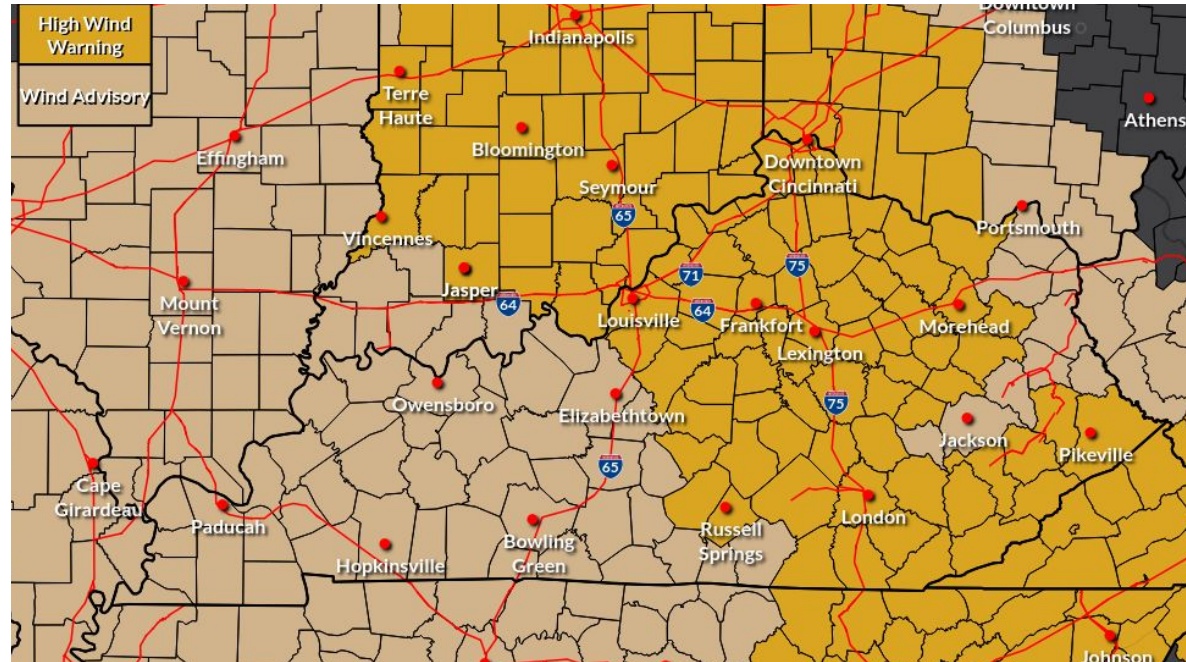
Confidence

Low

Medium

High

Late Morning through Evening





Peak Wind Gusts

September 27, 2024
6:15 AM

Key Messages

- Peak wind gusts will mostly range in the 40 to 55 mph range, however some gusts over 60 MPH are possible from late morning through early evening
- Stronger gusts most likely across eastern KY, north central KY, and southern IN

Impacts

- Power outages possible
- Weakly rooted trees may come down
- Unsecured outdoor objects will be moved

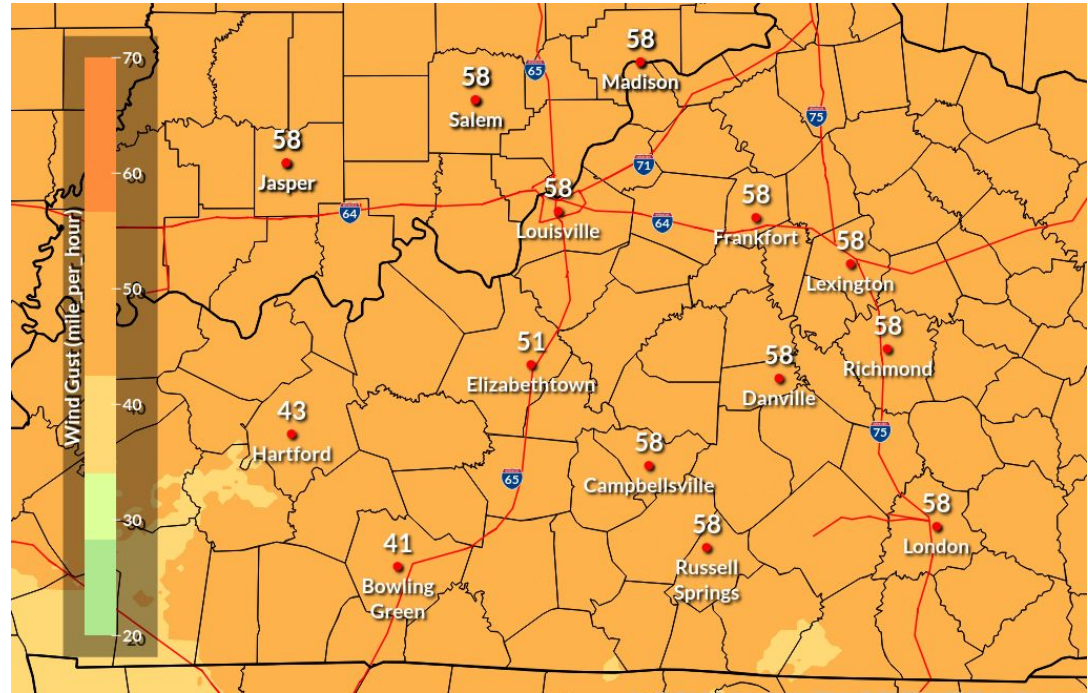
Confidence

Low

Medium

High

Peak Wind Gusts Friday Afternoon (mph)





Additional Rain Accumulations

September 27, 2024
6:15 AM

Through Sunday Night

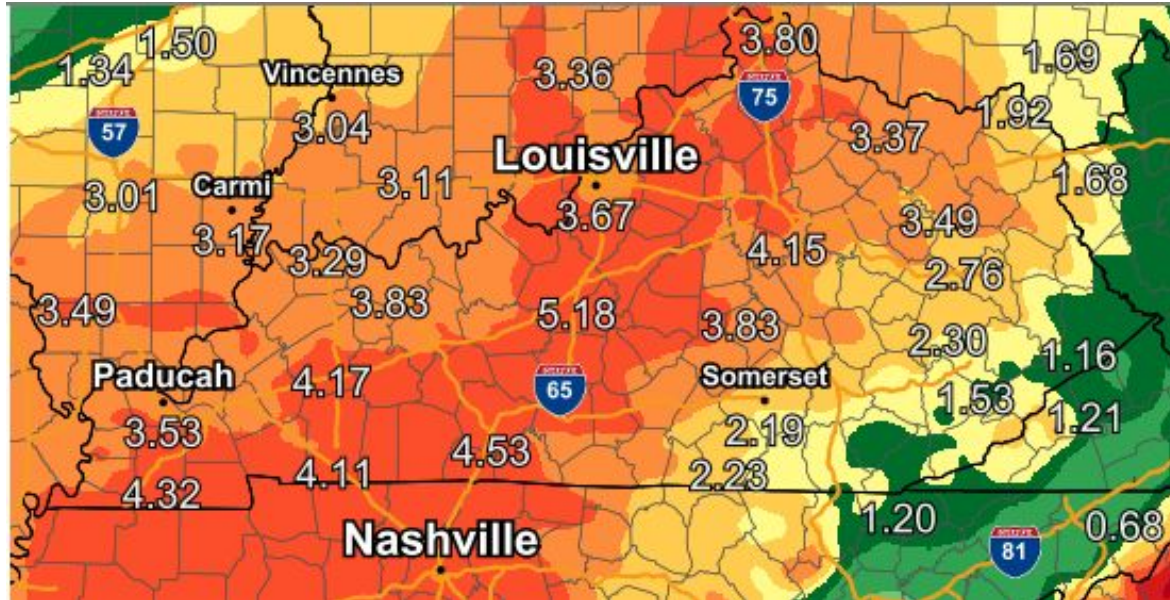
Key Messages

- An additional 2 to 5 inches of rain expected to fall early this morning through Sunday night
- Some localized flooding may occur, although the prolonged nature of rainfall should limit larger concerns
- Some river basins could reach minor flood. Green and Cumberland best chance

Impacts

- Prolonged rainfall on increasingly saturated soils may lead to overflowing creeks and streams, and standing water in low lying areas
- Low water crossings and poor drainage areas will be most susceptible

Storm Total Rainfall Through Sunday Night



Confidence

Low

Medium

High



National Oceanic and Atmospheric Administration
U.S. Department of Commerce

National Weather Service
Louisville, KY



Flood Watch In Effect

September 27, 2024
6:15 AM

Through Tonight

Key Messages

- An additional 2 to 5 inches of rain expected to fall early this morning through Sunday night
- Some localized flooding may occur, although the prolonged nature of rainfall should limit larger concerns
- Some river basins could reach minor flood. Green and Cumberland best chance

Impacts

- Prolonged rainfall on increasingly saturated soils may lead to overflowing creeks and streams, and standing water in low lying areas
- Low water crossings and poor drainage areas will be most susceptible

Confidence

Low

Medium

High

Flood Watch In Effect

